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Abstr. 800 (1962): after authors' names insert: "Proc. Phys. Soc. (GB), Vol. 78, Pt 5(ii), 979-87 (Nov. 15, 1961). Abstr. 10056 (1962): after authors' names insert: "Nuclear Instrum, and Methods (Netherlands), Vol. 14, No. 2, 209-14 (Dec., 1961)." Author Index (1962): All entries between "Antonov-Romanovskij, V. V." (right-hand column, page 2335) and "Antonov-Romanovsky V. V." (left-hand column, page 2336) should be transferred to follow "Andrews, D. J." (left-hand column, page 2335). Abstr. 16340 (1963) line 1: for "PHOTOGRAPHY" read "PHOTOMETRY" Abstr. 17948 (1963) line 3: for "V. A. Kopstik" read "V. A. Koptsik" Abstr. 1339 (1964) line 3: for "I.B. Batarunas" read "I.V. Batarunas" Abstr. 1350 (1964) line 3: for "Fam Zyn Kien" read "Fam Zui Khien" Abstr. 1434 (1964) line 3: for "I.B. Batarūnas" read "I.V. Batarūnas" Abstr. 1838 (1964) line 2: for "F. Hullinger" read "F. Hulliger" Abstr. 6498 (1964) line 2: for "E. A. Franz" read "F. A. Franz" Abstr. 11270 (1964) line 2: for "C. M. L. Gladwell" read "G. M. L. Gladwell" Abstr. 17337 (1964) line 2: for "R.O. Davis" read "R.O. Davies" Abstr. 18715 (1964) line 2: for "T. Consol" read "T. Consoli" Abstr. 21347 (1964) line 3, and Abstr. 21639 (1964) line 5: journal reference should read "Defence Sci. J. (India)," Abstr. 21450 (1964) line 3: for "E. Badarec" read "E. Badareu" Abstr. 21919 (1964) line 2: for "M. Alderholz" read "M. Aderholz"

Abstr. 22966 (1964) line 3: for "Q. V. Kovalev" read "O. V. Kovalev" Abstr. 29306 (1964) line 1: for "OGORE" read "OZONE" Abstr. 30016 (1964) line 3: for "R. Armbruste" read "R. Armbruster" Author Index (October 1964) for "de Bries, G. F.," read "de Vries, G. F.," For "Krisement, O., 26533" read "Krisement, O., 26503" Author Index (1964): for "Davis, R. O. and Reader, A. V." read "Davies, R.O. and Reader A.V." and insert entry after "Davies, R.O." Conference Index (February 1964) line 18: for "Classes" read "Glasses" Subject Index (1964) p. S92b line 2: for "gases-contd." read "liquids-contd." Abstr. 2745 (1965) line 1: for "GARNOW-TELLER" read "GAMOW-TELLER" Abstr. 3604 (1965) line 1: for "RECISION" read "PRECISION" Abstr. 3694 (1965) line 10: for "Grunesen" read "Grüneisen" Abstr. 3879 and 3880 (1965) line 3: for "(1964)" read "(1965)" Abstr. 5109 (1965) line 1: after "VISION" insert "II" Abstr. 5302 (1965) line 11: for "Shilding" read "Shielding" Abstr. 6090 (1965) line 2: for "B. A. Armstrong" read "B. H. Armstrong" Abstr. 7542 (1965) line 5: for "1961.1," read "1961ol," Abstr. 7687 (1965): line 4: page numbers should read "837-44" Abstr. 7683 (1965): line 3: page numbers should read "831-6" Abstr. 8010 (1965): line 3: page numbers should read "845-7" Abstr. 9281 (1965): line 2: for "W. J. LaFlueur" read "W. J. LaFleur" Abstr. 9655 (1965): line 8: for "with both brass and fluorspar cores" read "wound on hollow formers" Abstr. 10187 (1965): line 2: for "N. H. L. Pryce" read "M. H. L. Pryce" Author Index (January 1965) after "Klassen-Neklyudova, M. V.," insert "1533"

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Antonov, A. 5=1685, Electric field of electrets
Antonov, V. B. + 5=9666, Electrical conductivity of semiconductors
+Antonov, V. K. 5=7171, Mg-Mn-Fe ferrite properties
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Antonova, V. A. + 5=1264, Transformation of Co films
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Antropov, E. T. + 5=2976, Electronic transitions in NO
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Anzon, Z. V. + 5=5285, Ionization losses in emulsions +Aoki, H. 5=3442, Solubility of nickel in silicon
+Aoki, M. 5=1529, Frictional force on a dislocation
+Aono, O. 5=6046, Stopping power of unstable plasma
Apanasevich, P.A. 5=936, Spectral lines
 +Apostol. P. 5=12934, Magnetization of Ni-Fe
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Apparao, M. V. K. 5=668, Primary cosmic-ray hysteresis
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+Appel,K. 5=2964, S.C.F. method for \sigma-bonded systems. I Appel, H. 5=8101, Substitute for colour filter in microscopy
+Appleman, D. E. 5=6486, Crystal structure of ulexite
Appleton, A. 5=4279, X-ray spectra of metals
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Aqua, E. N. + 5=9570, Deformation in b. c. c. metals
Arad, B. + 5=738, 7.285-MeV level in Pb<sup>208</sup> Arad [Huebschmann], B. + 5=775, Elastic scattering of \gamma-rays
 +Arai, S. 5=10028, Pulse radiolysis studies. VII
Arajs, S. + 5=1435, Thermal conductivity and electrical resistivity
      of Th
Arajs, S. + 5=7096, Ni-V solid solution properties
 +Arajs, S. 5=12876, Magnetic susceptibility of cobalt
+Arakawa, E. T. 5=4324, Optical constants of Ag films
+Arakawa, E. T. 5=13035, Energy losses in metals
Araki, G. 5=675, Nuclear shell model
Araki, H. 5=2389, Algebra of local observables
+Araki, H. 5=4692, Semiconductor grade Si
 Araki, H. 5=5164, Free-field algebra
Arams, F. R. + 5=14140, 8 mm t.w. maser and radiometer
Arase, E. M. + 5=13945, Radiation resistance, reactance of
      aligned pistons
Arbuzov, B. A. + 5=8266, Lippman-Schwinger equation
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       and alloys
 +Archambeau, C. B. 5=13209, Anelasticity of earth
+Archambeau, C. B. 5=13914, Attenuation of dispersed waves
Archbold, E. + 5=1071, Spectroscopy of microplasmas
Archbold, E. + 5=5975, Electron temperature in plasma
 Archer, D. H. 5=13486, Photodetachment of O<sub>2</sub> in D-region
Archer, R. J. 5=3521, Sorption on Si
Archer, R. J. + 5=7323, Erratum: optical absorption of BP
Archer, R. J. + 5=12067, Oxygen adsorption on silicon
 +Ard, W. B. 5=14776, High-beta plasma
Ardente, V. 5=5881, Neutron scattering by organic molecules +Arditi, I. 5=5851, Band emission of N-Cl<sub>2</sub>S flames
Arditi, M. + 5=919, Relaxation of Rb<sup>87</sup> atoms
 Arditi, M. + 5=919, Relaxation of RD atoms
Arditi, M. + 5=10587, Regenerative Rb maser oscillator
Arecchi, F. T. + 5=8046, Transients in Q-switched lasers
 Arecchi, F. T. + 5=10713, Laser interferometry
Arecchi, F. T. + 5=10714, Laser long-distance interferometry
Arefyev, I. M. 5=8116, Negative light flux spectroscopy
Aren, M. + 5=6950, Transport properties of ZnSe-ZnTe
Arends, J. 5=6648, Color centers in CaF<sub>2</sub> and BaF<sub>2</sub>
Arendt, P. R. + 5=7516, Ionospheric electron content
Arendt, P. R. + 5=10088, Electron flux at 1000 km altitude +Arenhovel, H. 5=9318, Bent crystal X-ray reflection
Argauer, R.J. + 5=3026, Fluorescence of metal chelates
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Argon, A. S. + 5=9565, Plastic deformation in MgO
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 Argyle, B. E. 5=12914, Magnetization of EuS
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 +Ariga, K. 5=1656, Electrical conductivity of anthracene
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+Arima, A. 5=11218, Structure of sd-shell, I
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Arizumi, T. + 5=14974, Transport in closed tube process
 Arkad'eva, E. N. 5=7033, CdS[Se, Te] impurity activation energies Arkhangel'skii, M. E. + 5=6133, Cavitation and liquid viscosity
 Arkharov, V. I. + 5=6579, Diffusion in gas—alloy systems
 +Arkhipenko, D. K. 5=15020, Structure of pyroceramics
 Arking, A. 5=13266, Latitudinal distribution of cloud
 +Arkuszewski, J. 5=2866, Critical assemblies of NPY
 Arkuszewski, J. + 5=8439, Thermal neutron spectrum
 Arlt, C 5=7023, Resonance in piezoelectric crystals
Arlt, G. 5=7829, Conducting piezoelectric resonators
```

Arlt, G.+ 5=12547, Elastic constants of SiC Armbruster, P. 5=2849, Nuclear fission experiments

+Armitage, B. H. 5=5654, Neutron cross sections of C, Ca and Fe +Armstrong, A. T. 5=2947, Energy of excimer luminescence. II

```
Armstrong, B.H. 5=6091, Opacity of high-temperature air
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+Armstrong, G. T. 5=4842, Combustion and formation of Al<sub>4</sub>C<sub>3</sub> Armstrong, H. L. 5=7746, Elastic and inelastic collisions Armstrong, J. A. 5=11577, Optical absorption in phthalocyanine
     dves
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+Armstrong, R.W. 5=1452, Faults in epitaxial silicon
+Armstrong, R. W. 5=9480, Dislocations in zinc
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Armstrong, W. M. + 5=6681, Urania base solid solution creep
+Arnesen, G. 5=137, Rise time and loudness
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+Arnold, J. R. 5=7621, Detection of interstellar γ-rays
Arnold, R.C. 5=2442, High-energy peripheral interactions
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Arnold, R. T. + 5=1261, Phase transition in BaTiO<sub>3</sub>
+Arnold, S, M. 5=1313, Growth of Si from vapor
Arnold, W. + 5=11546, S(CN)<sub>2</sub> spectrum and structure
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 +Arnott, R. J. 5=12126, Growth of transition metal oxides
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+Arnoult, R. 5=9138, Permittivity of solutions of dielectrics
 +Arns, R. G. 5=11231, Energy levels of Pm149
 +Aroeste, H. 5=8761, Absorption coefficient of N and O
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 +Aronson, S. 5=10004, Cs-graphite decomposition
Arpaci, V.S. + 5=3293, Dynamics of gas-vapour bubbles
Arpigny, C. 5=4638, CN (0, 0) band in cometary spectra
Arpigny, C. 5=4639, Humason CO* comet tail band
Arrese, F. 5=9311, Interferometric studies on silicon carbide
 Arrhenius, G. + 5=3999, Superconducting tubes
 Arridge, R.G.C. + 5=3451, Cooling time of silica fibres
 +Arrott, A. 5=15166, Fe martensite strengthening mechanism
 Arsaev, M. I. + 5=11000, X- and \gamma-ray dosimetry
 Arsaev, M. I. + 5=12855, Photomultiplier sensitivity
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 +Arshadi, M. R. 5=1900, Heat of formation of AlOCl(g)
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 +Art, A. 5=3767, Stacking faults in thick foils. II
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      potential
 Artemenko, I. A. + 5=15295, Superconducting films of Pb, In Artem'ev, A. V. + 5=13743, Rotation of planets
 Arth, A. + 5=9160, p and d relaxation in paramagnetic solutions
Arthur, J. R. Jr. 5=4129, Field emission from Ge
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Arthurs, A.M. + 5=2482, Unitary transformation in scattering
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 Artmann, J. 5=11729, Specific heats of thermal plasma
 Artsimovich, L. A. + 5=6054, Heating of plasma in "TOKAMAK-3"
 Artsimovich, L. A. 5=8699, Nuclear fusion in USSR
 Artyukhovskaya, L. M. + 5=10355, Metal vacuum bolometers
Arunbruster, P. + 5=15531, Impact with fission products
 Arzeliès, H. 5=13856, Relativistic right-angled lever
 Arzeliès, H. 5=13857, Thermodynamics in special relativity
 Asaad, W. N. 5=11415, L<sub>1</sub>-L<sub>2, 3</sub> M<sub>4, 5</sub> Coster-Kronig transitions +Asadov, Yu. G. 5=12027, \alpha=\beta-Transformation para-
      dichlorobenzene
 +Asadov, Yu. G. 5=14942, Polymorphism of p-dichlorobenzene
+Asaud, C. A. 5=12143, Metallographic preparation using \rm H_2O_2 Asavinel, I. + 5=739, Intercomparison of radioactivity standards
      1961-1963
 +Asayama, K. 5=9864, NMR in Cu-Ni, -Pd, -Pt alloys
 +Asayama, K. 5=15519, N. M. R. of Co in ferromagnetic alloys
 Asbury, J. G. + 5=11133, Photodisintegration of He
 +Ascarelli, P. 5=2616, Polyatomic liquid n-scattering
 Asch, G. + 5=1676, Electrification of polystyrene
 Asche, M. + 5=4034, Si electron mobility
                                 A 6a
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Ascher, E. + 5=12162, Black-white point groups Ascher, E. + 5=15385, Dielectric properties of boracites Ascoli-Bartoli, U. + 5=6012, Scattering of light from plasma +Asdente, M. 5=9724, Thermoelectric power of Cu₃Au Asfour, F. + 5=2813, The reactions $Li^7(p, \alpha)He^4$ Ashby, D. E. T. F. + 5=8138, Laser as an interferometer +Ashcheulov, S. V. 5=15667, Atmospheric spectra Ashcroft, K. + 5=15133, Test cell for anvil apparatus +Ashkin, J. 5=8661, Radiative μ^- capture in Cu +Ashkin, A. 5=9893, Second-harmonic light generation Ashkin, M. 5=1407, Mode frequencies of crystal +Ashley, E. J. 5=13072, IR optics of Ag and Au Ashley, J. C. 5=12269, Phonon emission in piezoelectric solids Ashour, A.A. 5=21. Associated Legendre function Ashour, A.A. 5=13815, Distance between two points +Ashton, K.H. 5=13180, Spectrochemical analysis by plasma jet Ashton, M. D. + 5=3819, Tensile strength of powders Ashworth, T. + 5=2171, Levels of cryogenic liquids Ask, L. + 5=5293, Lund Van De Graaf accelerator Askadskii, A. A. + 5=12533, Strength during brittle fracture Askar'yan, G.A. 5=299, Light field 2nd harmonic emission Askar'yan, G. A. 5=6001, Comment on work of Consoli et al Askar'yan, G. A. + 5=11658, Ionization by light flash Askar'yan, G. A. 5=14672, Molecular excitation and dissociation +Askerov, Ch. M. 5=6942, Electrical properties of Se Aslanov, I. A. 5=4653, Fraunhofer lines. I Aspanov, S. K. + 5=173, Combustion of gas mixtures Asper, H. K. + 5=15874, Observations of radio sun Assascina, F. + 5=11903, NaCl conductance in H2O-ethylene glycol Assascina, F. + 5=11909, Ce ion conductance in H₂O Assenheim, H M. 5=4977, Modern e. s. r. spectrometer Assour, J. M. + 5=4238, E.S.R. of Cu phthalocyanine +Astbury, A. 5=14441, $K_2^{\circ} \rightarrow \pi^+ + \pi^-$ decay Asundi, M. K. + 5=1440, Diffusion in the Cu-Al system Asunmaa, S. + 5=6414, Electron microscopy of metal surfaces Astarita, G. + 5=6131, Non-Newtonian gravity flow Astarita, G. 5=6161, Diffusivity in highly viscous liquids Asti, G. + 5=9985, Electroluminescence of ZnS in magnetic fields +Astier, R. 5=10629, Laser action in Eu benzoylacetonate +Aston, G. H. 5=2578, N.P.L. exposure standards +Aston, J. G. 5=7432, Thermodynamics of chemisorption of O on P +Astrov, D. N. 5=10386, In resistance thermometer +Atabaeva, É. Ya. 5=12721, Bi Se resistivity pressure variation +Atac, M. 5=1238, Mössbauer scattering in Os +Aten, A. H. W. Jr. 5=2613, Pu-Be neutrons Aten, A. H. W., Jr. + 5=5371, Thresholdless n detector search +Aten, A. H. W., Jr. 5=8570, Standardization with NaI(T1) +Aten, A. H. W., Jr. 5=14490, Standardization with NaI(Tl). V Athay, R.G. + 5=4682, Line broadening in spicules Athay, R. G. 5=7585, Source equality in multiplets +Atherton, A. R. 5=14439, N* resonances Atherton, D. L. 5=15287, Switching of superconductors Atherton, N. M. + 5=3434, Polarization of spectrum of NO, +Atkins, K. R. 5=4864, Third sound in liquid He films Atkinson, H. + 5=868, Dounreay fast reactor Atlan, H. 5=14871, Transmission of light by suspensions Atoji, M. 5=12938, Magnetic space groups Atsarkin, V. A. + 5=1794, Spin-lattice relaxation +Attwood, C. F. 5=7662, Solar radio bursts +Atwood, J. G. 5=10642, Ruby laser crystals Atvars, J. + 5=7847, Refraction of sound Atzmony, U. + 5=3428, Mössbauer effect of Eu¹⁵³ +Au, W.S. 5=2640, Pion-Pion amplitude +Au, W. S. 5=5407, Peaks in 7N and KN scattering Au, W.W.S. 5=2652, Nonresonant character of κ Auberson, G. + 5=14272, Production of light bosons Aubert, B. + 5=629, K°β decay Aubert, M. 5=7457, Optical integrator Aubert, M. 5=7540, Interpretation of magnetic maps +Aubert, X. 5=1991, Electric organ Auble, R. L. + 5=724, Decay of 121 Te, 121 Te Aubrun, J. N. + 5=8018, Extraction signals from noise Aubry, M. 5=14124, Low-frequency wave propagation +Auchampaugh, G. F. 5=8692, Subthreshold fission of Am 241 Aucouturier, M. + 5=6584, Fe 50 diffusion in Co $_2$ +Audekerke, R. Van. 5=4225, Permalloy ferromagnetic resonanc +Audran, R. 5=5107, Autoradiography with electron microscope Auerbach, E. H. + 5=678, Neutron-nucleus optical model Auerbach, N. + 5=14479, Energy levels in Zr region Auffray, J. D. 5=11425, He magnetic susceptibility Auffray, J. P. + 5=5746, Normal helium atom

Auffray, J. P. + 5=14593, Electrons in He +August, L. S. 5=8637, Triple correlations in 60 Ni(p, $\gamma\gamma$) +Aukerman, L. W. 5=7395, Electroluminescence of GaAs diodes Aukerman, L. W. + 5=12761, Zn diffused GaAs p-n junctions Aukrust, E. + 5=3702, Thermodynamics of Co₃O₄-Fe₃O₄ Auld, B. A. 5=12897, Magnetoelastic instabilities +Ault, E. R. 5=2081, Mechanical resonance Ault, R. T. 5=3865, Fracture of molybdenum Ault, R. T. + 5=12523, Initial yielding and fracture in Mo +Aung, T. 5=11195, Spin and moments of Hg193 Aurich, F. + 5=3348, Luminiscence of cis-stilbene Aurin, F. 5=8092, Optical construction systems +Auriol, A. 5=6410, Structural properties of pyrolytic carbon +Auriol, A. 5=6411, Properties of oriented pyrolytic carbon Aurivillius, K. 5=15012, Hg₃OCl₄ crystal structure Aurivillius, K. 5=15013, An X-ray diffraction structure determination of Hg₈OCl₄
Auslender, V. L. (+ 5=10440, Shaping of pulses
Ausloos, P. + 5=4414, Radiolysis of n-pentane +Ausloos, P. 5=7448, Radiolysis of ethane Ausloos, P. + 5=10026, Radiolysis of methane +Aust, K. T. 5=12414, Pb grain boundary migration Austerman, S. B. + 5=9408, Diffusion in BeO +Austerman, S. B. 5=12190, Crystal structure of β-beryllia Austern, N. + 5=5603, Mixing effects in stripping Austern, N. 5=8194, Perey effect Auston, D. H. + 5=11720, Fabry-Perot resonators for plasma Authier, B. + 5=1945, Ionospheric temperature measurements Authier, B. 5=7517, Temperature of the ionosphere Auvil, P. + 5=5408, $\pi-N$ phase shifts +Auvray, J. 5=9157, Dynamic polarization of liquids Avaev, V. N. + 5=11048, Neutron spectrometer Avakian, P. + 5=9604, Triplet excitons in anthracene Avdeenko, A.A. + 5=304, High reflection coefficients +Avdeenko, A.A. 5=15410, Photoconductivity in pyrene Aven. M. + 5=6598, Diffusion of defect centers +Aven, M. 5=13105, Fluorescent spectra in II-VI compounds +Aven, M. 5=15586, Photoluminescence in II-VI compounds Aveni, A. F. 5=13805, Cross-staff from meter stick +Averbach, B. L. 5=3437, Correlations in lead near melting +Averbach, B. L. 5=11039, Neutron scattering in V and Cu +Averbach, P. 5=7243, Mn²⁺ spin—lattice relaxation in MgO +Avery, C. P. 5=13636, Data with rocket mass spectrometer Avery, D. H. + 5=12518, Mg plastic anisotropy +Avetisyan, R. A. 5=11943, Monolayer and evaporation of water +Avksent'ev, Yu. I. 5=1773, Antiferromagnetic transition metals Avrett, E. H. + 5=7581, Atmospheres for early stars +Avrett, E. H. 5=7582, Early stellar atmospheres +Aver'yanova, L.N. 5=3640, Compounds with pyrochlore structure Avril, M. + 5=10888, Data processing by AMFI +Avvakumov, E. G. 5=6382, Impurity capture in growth of KNO₃ Awe, O. 5=13433, Correlation analysis of radio fading Awe, O. 5=13820, Correlation between time series +Axe, J. D. 5=9211, Samarium doped CaF2 type crystals Axelrad, M. 5=13865, Relativity non-static symmetric solution Axelrod, E. H. + 5=10041, Ambient noise in ocean Axelrod, N. N. 5=10694, Vacuum monochromator Axford, W. I. 5=1979, Solar wind Axford, W. I. 5=13504, Theory of sporadic E Axford, W. I. 5=13675, Interplanetary cosmic rays Axler, M. F. 5=6118, Effect of ion gauge on pressure Axtmann, R. C. + 5=14329, Pulse height defect +Ayakawa, T. 5=1271, Precipitation of zirconia in ceramics Ayant, A. + 5=4163, Er gallate magnetic susceptibility Ayant, Y. + 5=4239, E.S.R. Broadening of Er3+ ion in MgO Ayant, Y. + 5=12979, Electron resonance of Er3+ in MgO +Ayer, F. 5=630, K⁻-P charge exchange +Ayukawa, K. 5=3249, Stability of free boundary layer Azam, N. + 5=14964, Selective attack in U alloys Azarbayejani, G. H. + 5=7244, E.S.R. of Mo⁵⁺ in CaWO₄ +Azarraga, L. 5=4119, Photoconductivity of anthracene Azatyan, A. A. + 5=14054, Obtaining magnetic fields Azbel', M. Ya. + 5=7076, Magnetic susceptibility in strong fields +Azhazha, V. M. 5=6351, Etch figures on nickel Azhazha, V. M. + 5=6743, Creep of nickel +Azhazha, V. M. 5=6744, Effect of B on Ni Azovskif, Yu. S. + 5=8984, Plasmoid-magnetic field interaction. II Azovskif, Yu. S. + 5=8985, Plasmoid-magnetic field interaction. III

Azziz, N. + 5=14459, Nuclear matter binding energy +Azzopardi, M. 5=12058, Gas—solid kinetics

Baarli, J. + 5=14511, Shielding studies in steel, IV +Baba, C. V. K. 5=2749, Levels in La140 +Baba, C. V. K. 5=2753, Excited states in Ta¹⁸¹ and Cs¹³³ +Baba, C. V. K. 5=11230, The 160 keV state in Cs¹³³ Baba, H. + 5=4692, Semiconductor grade Si +Baba, K. 5=11295, Deuterons from irradiated C +Baba, M. 5=6592, Impurity diffusion in Si +Babad-Zakhryapin, A.A. 5=3498, Formation of diffusion coatings Babaev, A. I. + 5=10942, Registration in spark chamber Babayan, Kh. P. + 5=590, Generation of π°-mesons Babb, S. E., Jr. + 5=3396, Melting of KNO₃ Babb, S. E., Jr. + 5=9880, High pressure spectroscopy of solids +Babcenco, A. 5=1602, Change of electrical resistivity Babcock, R.V. 5=4349, Fluorescence of GaAs Babccki, J. + 5=8498, Momentum transfer in cosmic ray jets Babel, D. 5=15010, Crystal structure of CsNiF₃ Babii, V. I. + 5=13778, Supercorona during 1959-1963Babikov, V. V. + 5=14376, Ion beam deflector +Babin, L. 5=9168, Dielectric properties of emulsions Babiskin, J. + 5=1635, Critical currents of Nb $_3$ Sn Babonas, G. A. + 5=15543, CdTe spectrum under pressure Babu, P. 5=427, Vector and pseudoscalar mesons Babu, P. 5=5200, $N-N_{33}^*$ in G_2 symmetry Babushkin, F. A. 5=11413, Relativity and radiative transitions Babuškin, F. A. 5=14579, Relativistic wave functions Babushkin, F. A. 5=14586, Intensity of characteristic X-rays Babushkina, T. A. + 5=15522, N. Q. R. in p-dichlorobenzene Babykin, M. V. + 5=5977, Turbulent plasma heating Babykin, M. V. + 5=6042, Stability of turbulently heated plasma Baca, A. M. + 5=5251, Gas targets for nuclear reactions Bacal, M. 5=228, Plane magnetrons Bacchella, G. L. + 5=7164, Magnetic structure of FeCr₂O₄ +Baceu, G. 5=10966, Ceramics in betatrons
Bachelet, F. + 5=11159, The cosmic-ray nucleonic component Bächli, A, + 5=14420, Time-of-flight module +Bachman, A. H. 5=11036, Antiproton-proton interactions Bachmann, L. + 5=6344, Morphological changes in thin copper Bachmann, R. + 5=4126, Emission of electrons from Si Bachner, F. J. + 5=14881, Peritectic reaction in Nb₃Sn(Cb₃Sn) +Bachynski, M. P. 5=4489, Plasma trapping in magnetosphere +Bachynski, M. P. 5=13574, Solar wind-magnetosphere reaction Bachynski, M. P. 5=13633, E.M. penetration of reentry plasma +Backenstoss, G. 5=8784, µ-mesic atom quadrupole splitting Backenstoss, G. + 5=8786, Mu-mesonic X-rays +Backofen, W. A. 5=12518, Mg plastic anisotropy Bačkovský, J. + 5=5131, X-ray reflection measurement Backus, J. 5=124, Tone of woodwind instruments Bacmann, M. + 5=1396, Structure of UCrO₄
Bacon, D. F. + 5=14359, Spark chambers +Bacon, M. D. 5=3658, Vibrations of disordered lattices +Bacri, J. 5=7974, Positive ion sources Bacry, H. + 5=2413, Classifications of hadrons Bacry, H. + 5=5419, 960 MeV meson and SU(3) extension +Bacry, H. 5=8261, SU4 and strong interactions Bacry, H. + 5=10808, Symplectic symmetry of hadrons Baczyński, A. + 5=15403, Photoconductivity of CdS +Badalyan, G. V. 5=14054, Obtaining magnetic fields Badareu, E. + 5=7940, Caesium—cadmium diode Badash, L. 5=11248, Radioactivity before the Curies +Badawy, O. E. 5=14478, Energy levels of Sc⁴⁹ Baddiel, C. B. + 5=5874, Thiocyanates: Raman spectra and structure Badenko, L. A. 5=6586, In and Sb impurities in Ge Bader, L. W. + 5=1903, Halogen-atom reactions. II Bader, L. W. + 5=7425, Reactions of $O_2(^1\Delta_G)$ and $O_2(^1\Sigma_G^*)$ Bader, R. F. W. 5=5833, Binding regions in polyatomic molecules Badger, A. S. + 5=5018, Ruby laser polarization Badhwar, G. D. 5=11150, Primary cosmic radiation +Badica, T. 5=5569, β -transitions of odd-A nuclei +Badier, J. 5=5421, Evidence for $(K\pi\pi)$ resonance + Badier, J. 5=8474, K P \rightarrow K* N and KN* at 3 GeV/c + Badier, J. 5=11119, YY production +Badinov, I. Ya. 5=15667, Atmospheric spectra Badoux, A. + 5=9489, Cu solid solution deformation Baenziger, N. C. + 5=9362, Crystal structure of dipentene platinum (II) chloride

Azumi, T. + 5 = 2946, Energy of excimer luminescence. I

+Azuma, T. 5=5722, Liquid flow neutron monitor

+Azumi, H. 5=14633, Hammett σ constants

+Baerg, A. P. 5=2914, K-LL Auger spectrum of 78 Au 197

+Baer, S. 5=3306, Solubility of Ar in H2O-ethanol

```
+Baerg, A. P. 5=11038, Calibration of neutron sources
Baessler, H. + 5=1206, Conductivity of organic liquids
Baev, I. A. + 5=12706, Semiconductor homogeneity by light probe
Bagaev, V.S + 5=9947, Radiative recombination in GaAs
Bagaev, V.S.+ 5=12602, GaAs energy level spectrum
Bagaryatskii, Yu. A. + 5=12204, X-ray scattering in Fe-Ni-Al
+Bagchi, R. N. 5=7222, g-Tensors in Cu salts
+Bagge, E. 5=5720, Chopper for total n-cross-section
+Bagge, E. 5=11400, Neutron chopper
+Bagley, A.S. 5=10211, H maser and Cs beam frequency
Baglin, A. 5=4540, Convective zone in atmosphere
Baglin, A. 5=4540, Colvective 20th in third + Haglin, C. 5=638, Muonic decay of \lambda-hyperon Baglin, C. + 5=11120, \beta-decay of \Lambda +Baglin, J. E. E. 5=14523, Al^{27}(\gamma, n)Al^{26m} cross section +Bagrinstev, V. P. 5=10441, Tunnel diode pulse generator
Bagshaw, T. + 5=11856, H solubility in Fe alloys +Baguette, J.M. 5=7530, Sporadic-E ionization
Bahar, E. + 5=10573, V.L.F. in earth—ionosphere waveguides
Bahcall, J.N. + 5=754, Xa<sup>37</sup> and solar neutrinos
Bahcall, J.N. 5=2586, Neutrino opacity. I
Bahcall, J. N. + 5=2587, Neutrino opacity. II
 +Bahcall, J. N. 5=5573, Mirror decays of B^{12} and N^{12}
 Bahcall, J. N. 5=15776, Observational neutrino astronomy
Bahcall, J. N. + 5=15789, Neutron stars
 Bahcall, J. N. 5=15876, Neutrino spectroscopy of solar interior
 Bahethi, O. P. + 5=14676, Intermolecular potentials for Kr
Bahethi, O. P. + 5=14801, Properties of gaseous mixtures
+Bahl, O. P. 5=12403, Screw dislocations in graphite
Bahn, E. L. Jr. + 5=759, Decay of 20-minute Ag
Bahng, J. 5=4559, Evolution of medium-mass stars. I
 +Bahnsen, A. 5=8333, Spark chamber tape recorder
 +Bahnsen, A. 5=8435, Crystal filters for n and \gamma attenuation
 +Bahr, G. F. 5=9302, Emulsions for electron microscopy
 Baier, W. H. + 5=13665, Petrographic studies
Baierlein, K. 5=3799, Irradiated quartz and Be
Bailey, A.G. 5=1080, MHD Measurements in Ar and He plasmas
Bailey, A. I. + 5=7351, Optical properties of mica Bailey, C. E. 5=3778, V_k centers in alkali fluorides +Bailey, J. M. 5=11071, Muonium \alpha structure constant
Bailey, P. B. 5=367, One-dimensional Schrödinger equation
 Bailey, P. B. + 5=13893, Developments in invariant imbedding
 Bailey, R. T. + 5=11891, Raman spectrum of azulene
 +Bailey, T. L. 5=11664, Reactions of H2+ ions with Ar
 Bailey, V. A. 5=15727, Ionospheric nonlinearities
 Bailitis, E. 5=10448, Conveyor field strength in generator
 +Bailleux, R. 5=3336, Optical absorption of molten salts
 Bailly, F. + 5=6794, Forbidden band and thermodynamics
 Baily, N. A. + 5=8391, Response of p—i—n junctions to \beta
 Bailyn, M. 5=3947, Hartree-Fock equation
 Bailyn, M. 5=12869, sd Interaction in metals
 Baiquni, A. 5=11065, Optical model for scattering
 +Bair, E.J. 5=7421, Recombination and disproportionation of NH,
 +Bair, J. K. 5=11370, O^{18}(\alpha, p) reaction and F^{21} decay
 Baird, D.C. 5=3995, Magnetic flux in superconducting In
 Baird, G. E. + 5=7722-3, Semisimple Lie groups III-IV
 +Baird, K. M. 5=273, Lasers with spherical mirrors
Baisa, D. F. + 5=10582, Transducer for n.q.r. spectrometer
+Baisa, D. F. 5=15522, N. Q. R. in p-dichlorobenzene
 +Bakarian, P. W. 5=12519, Rolled Mg alloy orientation
 Baker, A. A. + 5=9531, Si-reinforced Al fatigue
 Baker, C. + 5=9553, Elastic moduli of graphite
 Baker, C.B. + 5=1154, Gas thermal conductivity. III.
 +Baker, C.E. 5=11811, Thermal conductivity of H<sub>2</sub>O-D<sub>2</sub>O
 Baker, G. A. Jr. 5-4174, Padé approximant in Heisenberg model
 Baker, G.S. + 5=6669, Deformation and internal friction
      measurements
 Baker, J. M. 5=3422, ESR of cerium ethyl sulfate
 Baker, J. M. 5=4247, Nd ion interaction in ethyl sulfate
 Baker, J. M. + 5=4248, Spin-lattice relaxation of Nd salts
 Baker, L. R. 5=5080, Conference on interference and
      coherence, 1964
 Baker, L. R. 5=5096, Conference on photographic and spectro-
      scopic optics, 1964
 +Baker, M. 5=2589, Self-energy of electron
 +Baker, M. 5=8903, Multiple molecular beams
  +Baker, M. R. 5=3048, NMR studies of N<sub>2</sub>
  +Baker, S. 5=14439, N* resonances
 Baker, W. R. + 5=566, p + p\rightarrow \pi^+ d at high momentum +Baker, W. R. 5=3237, Plasma gun Bakhru, H. + 5=5580, Decay of Sr^{ss} and Y^{ss}
```

```
+Bakhtadze, Z.I. 5=14034, Generator and precision timer
+Bakken, K. 5=12482, Al-Si-Mg-Ni stress rupture test
Bakos, G. 5=13704, Observations of asteroids +Bakr, M. H. S. 5=8671, Mg^{25}(d,\alpha)Na^{23} at low energy
Bakun, F. I. + 5=15253, Cyclotron resonance in Ge
+Balabanov, S. 5=7021, Creation of surface photoelectret state
+Balachandran, A.P. 5=2603, Isospin communitation relations
Balachandran, A.P. 5=5344, Decrease of scattering amplitudes
Balachandran, A. P. + 5=8267, Partial-wave amplitudes
Balain, K. S. 5=15898, Dicing a semiconductor slice
Balakhanov, V. Ya. + 5=4947, Open e. m. resonators with
Balamatov, N. N. + 5=10967, Stabilization in betatron
+Balanevskaya, A. E. 5=12297, Semiconducting compounds of
A_2^{IB}^{IV}C_3^{VI} type Balashov, V. + 5=4700, Fluid adjustment in ultra microtome
Balashov, V. V. + 5=5519, \alpha-widths for C^{12}
Balashov, V. V. + 5=14516, Fragmentation theory
+Balashova, N. A. 5=9254, Ion adsorption on platinum
Balasubrahmanyam, K. + 5=9114, AlCl<sub>3</sub>. K[Na]Cl Raman spectra
Balasubrahmanyan, V. K. + 5=11144, Solar effects on cosmic rays
+Balata, P. 5=11159, The cosmic-ray nucleonic component
+Balázs, L. A. P. 5=2434, Baryon resonances in static model Balázs, L. A. P. 5=5428, \pi\,\pi –KK model of the \rho
Balazs, L. A. P. 5=10846, Strong interactions
Balazs, N. L. + 5=10273, Thermodynamics in gravitational
     field
Balchan, A.S. + 5=1996, Accelerating flat plates
+Baldeschwieler, J.D. 5=1002, Coupled spin systems
+Baldeschwieler, J.D. 5=8032, R.F. spectrometer for n.q.r.
 +Baldeschwieler, J. D. 5=11595, Nuclear magnetic double-
      resonance
 Baldeweg, F. + 5=11352, C^{12}(d, \alpha)B^{10} reaction at 9.2-13.8 MeV
 Baldin, S. A. + 5=10905, Gas scintillation counters
 Baldinger, E. + 5=6985, Recovery of irradiated Si transistors
Baldini, G. 5=7317, Excitons in rare-gas alloys
Baldwin, D. E. 5=9009, Instability and solar radio bursts
Baldwin, D. H. + 5=12504, Hf, Zr deformation modes
Baldwin, G.C. + 5=2014, Logarithmic pressure scale
Baldwin, G. C. + 5=7060, Single-electron multiplication
Baldwin, J. A., Jr 5=12988, E. P. R. in O-doped Ge
Baldwin, J. P. + 5=10178, Radio observations of meteors
+Baldwin, N. L. 5=3476, Modifications of ThC<sub>2</sub>
 Baldwin, T.O. + 5=12294, X-ray characteristic temperature of
 Balfour, D. 5=1106, Langmuir probe measurements in Levitron
 +Balfour, D. 5=14761, Fluctuations pinched discharges
 Bali, L. M. + 5=14204, Scattering of light by electrons
 Balian, R. + 5=2059, Formulation of quantum statistics
 Balian, R. + 5=2069, Theory of a Bose gas
 +Balkanski, M. 5=1907, Oxygen chemisorption kinetics
 +Balkanski, M. 5=4007, Space-charge in semiconductors
 Balkanski, M. + 5=10702, Kramers-Krönig inversion
 Balklav, A. 5=1987, Uniformly irradiated aperture
 Balklav, A. É. 5=15896, Spatial frequency spectra
 Bal'kovskaya, M. I. 5=12497, GaP mechanical properties Ball, C. J. 5=9441, Electron micrographs of lattice defects
 Ball, D. A. + 5=7893, Thermometry of power dissipation
 +Ball, J. B. 5=8548, Nb94 low-lying states
 +Ball, J. B. 5=11228, Nuclear spectroscopy of Nb, Mo and Tc
 Ball, J.S. + 5=605. Unstable particle production
 Ball, J. S. 5=10830, Solutions to N and D equations
 Ball, M.A. + 5=1583, Excitation waves in a molecular crystal
 +Ball, M. A. 5=11616, Optical rotation in polymers
 +Ball, R. M. 5=7983, Refrigerator for field-ion microscope
 Balla, D. + 5=6918, Electrical conductivity of bismuth
 Ballad, J. P. 5=2545, Curvilinear accelerator
 Ballantyne, J. M. 5=1831, Polarization of barium titanate
 Ballantyne, J. M. 5=1839, Kerr magneto-optic effect in Co
  +Ballard, J. R. 5=14635, Spectral tables. I. diatomic molecules
 Ballentine, L. E. + 5=9082, Theory of liquid metals
Ballester, M. + 5=8849, U. V. absorption of benzene derivatives
  +Ballestracci, R. 5=6458, Study of FeCr<sub>2</sub>S<sub>4</sub> by neutron diffraction
 Balli, D. + 5=5359, Reflection of neutrons by Co
 +Ballman, A. A. 5=1844, Electro-optic properties of LiNbO<sub>3</sub>
 +Ballman, A. A. 5=3561, Growth of lithium metagallate
 Ballonoff, A. 5=7041, Photoconductivity in silver chloride
 +Ballonoff, A. 5=12688, Tl superconducting energy gap
+Balluffi, R.W. 5=1391, X-ray diffraction of Ag
  +Balluffi, R. W. 5=9429, Al-Mg alloy vacancies
  +Balluffi, R. W. 5=12358, Au vacancy defect annealing
+Balluffi, R. W. 5=12359, Vacancy annealing in gold
```

```
Bally, D. + 5=3597, Diffraction absorption in cylinders
Bally, D. 5=14639, Neutron scattering in gases
+Balogh, J. C. 5=12698, Transport in semiconductors
+Balser, M. 5=13462, Ionospheric perturbation
Balsley, B. B. 5=13396, 150 km stratified echoing region
Balthesen, E. + 5=12917, Irradiated Fe magnetic effects
Balthesen, E. + 5=12930, Irradiated Ni magnetic effects
+Balton, I. A. 5=15764, 1962 Johnstone Island nuclear tests
Baltrušhaitis, R. A. + 5=15318, CdO conductivity in electric
Balyavichyus, M. Z. + 5=5153, Clebsch-Gordan coefficients
+Ban, M. I. 5=1196, Enthalpies and entropies of photoassociation
Bancie-Grillot, M. + 5=9941, CdS green luminogene centres
Bancie-Grillot, M. + 5=9966, Cu luminogene centres in ZnS
Bandeen, W. R. 5=7487, Radiation data from satellites
+Bandel, H. W. 5=14619, Electron—He atom scattering
Bander, M. 5=22, Solution of N/D equation
Bander, M. + 5=14301, One-channel N/D equations
+Bando, M. 5=11033, Quasielastic p-p scattering
+Bandrauk, A.D. 5=3082, Coriolis shifts in scattering
Bandyopadhyay, P. 5=2455, Weak interactions model
Bandyopadhyay, P. + 5=7529, Some features of Es
Bandyopadhyay, B. K. + 5=12862, Knock-on electrons
+Bandzaitis, A. 5=5739, Atomic e.s. interaction operator
+Bandzaitis, A. A. 5=5137, Angular momentum operator
Bandzaitis, A. A. + 5=5151, Calculation of 6,-coefficients
Bandzaitis, A. A. + 5=5152, Clebsch-Gordan coefficients
+Bandzaitis, A. A. 5=5154, Clebsch-Gordan coefficients
+Bandzaitis, A. A. 5=5155, 6;-coefficients
Bandzaitis, A. A. + 5=13817, Calculation of 9j-coefficients +Bandzaitis, A. A. 5=13818, Theory of angular momentum
Baneriee, H. + 5=10860, Continuation of partial-wave amplitude
+Banerjee, M. K. 5=5476, Collective variables without conditions
Banerjee, M. K. + 5=10854, Field theory and dilatational
     symmetry
+Banerjee, M. K. 5=11191, Neutron-proton correlations
Banerjee, P. + 5=8526, Spectra of asymmetric nuclei
Banerjee, S. K. + 5=4972, Magneto-ionic wave equations
Banerjee, S. K. 5=7074, 1st and 2nd order magnetic transitions
Baneriee, S. K. + 5=10571, Magnetoionic components of radio
     waves
Banerji, A.C. + 5=13710, Radial motion of a star
Banerji, B. K. 5=9238, Surface tension of a solid
Banerji, P. + 5=15688, Radon content of rainwater
Banis, T. Ya. + 5=15324, Ge current in electric field
+Banister, J. R. 5=11694, Plasma—magnetic field interaction
+Bankoff, S. G. 5=10304, Convective diffusion
Banner, M. + 5=10929, Coincidence circuits and discriminators
+Banner, M. 5=11091, π-p elastic scattering
Bánsági, L. 5=4874, Stability of transistor circuits
+Bansigir, K.G. 5=9920, Light scattering in NaCl and defects
Banus, M.D. + 5=2000, Tetrahedral-anvil press
Banus, M. D. + 5=12674, Superconducting InSb-β tin
+Banus, M. D. 5=14881, Peritectic reaction in Nb<sub>3</sub>Sn(Cb<sub>3</sub>Sn)
Bany, I. + 5=7944, Low-field n.m.r. magnetometer
Banyard, K. E. + 5=3004, United-atom approximation I. H.S.
Bar, V. + 5=7405, Luminescence and conductivity of ZnS
Barachevskii, V. A. + 5=996, Spectrum of tetrazine
Barachevskii, V. A. + 5=8850, Spectra of benzene ions
Baraff, G. A. 5=9597, Bismuth conduction band
 +Baramidze, N. V. 5=13054, Reflection spectrum of InSb
Baran, A. A. + 5=12068, Adsorption on Si p-n junction
Baranger, M. + 5=8510, Pairing-plus-quadrupole model
+Baranik, A. T. 5=5680, Alpha particle groups from P^{31}(d, \alpha) Si<sup>29</sup>
+Baranik, A. T. 5=8316, Scattering chamber for solid detectors
 +Baranova, V.I. 5=3854, Internal friction in ferrite
 Baranowski, B. 5=9728, Ni-H thermoelectric power
+Baranski, L. N. 5=13603, PC 1 geomagnetic oscillations
Baranskii, P. I. + 5=6925, Hall effect anisotropy in p-type Ge
Baranskii, P. I. + 5=12735, Hall effect in n-Ge
Baranskii, P. I. + 5=12748, Hall coefficient of Si
Barashenkov, V.S. + 5=636, Strange particle production
Barashenkov, V.S. + 5=667, Cascade interactions
Barashenkov, V.S. 5=5388, Interactions of mesons
Barashenkov, V.S. + 5=14414, Check of dispersion relations
Barat, M. 5=5804, Lithium ion collisions with rare gases
Barb, D. + 5=15279, Electrical conductivity of nickel-chromia
Barbara, A.K. + 5=977, Azobenzene-2-sulphenyl dipole moments
+ Barbaro-Galtieri, A. 5=643, S=-2 baryon systems + Barbaro-Galtieri, A. 5=10971, Elementary particles, resonant
     states
Barbashov, B. M. 5=14245, Integrals in quantum electrodynamics
```

```
+Barbee, B. H. 5=9280, High perfection InSb
+Barber, B. 5=2497, Guarded-field cavity ionization chamber
+Barber, C. R. 5=2159. Temperature measuring instruments
Barber, H. D. + 5=6960, Polarity in InSb p-n junctions
Barber, H. D. + 5=12763, Alloy p-n junctions in InSb
Barber, D. J. 5=9291, \alpha-Al_2O_3 whiskers +Barber, W. C. 5=11305, Rh<sup>103</sup>(e, e') and In<sup>115</sup>(e, e')
Barbier, D. 5=10093, Optical observation of ionosphere
Barbier, M. 5=5295, Particle motion in accelerators
Barbier, M. 5=14366, Particle motion in accelerators
+Barbier, M. 5=14386, Radiation studies for meson factories
+Barchewitz, P. 5=965, Fluorescence of CO. and N.O.
+Barchewitz, P. 5=5845, Vibrorotational constants of HI
+Barchewitz, P. 5=8829, C_3O_2 i. r. spectrum
Barcilon, V. 5=11773, Stability of Ekman layer
Barclay, F. R. + 5=878, Core 5 of ZENITH
Barclay, F. R. + 5=2870, Spectra in the ZENITH Pu core 7
Bardadin, M. + 5=5396, Six-prong interactions of \pi^- in H
Bardadin, M. + 5=5397, n emission in \pi^- + p at 10 GeV
Bardakci, K. + 5=14426, U(6) symmetry scheme
Bardeen, J. + 5=3981, Normal and superconducting states
Bardeen, J. 5=7045, Electron surface physics
+Bardelmeyer, G. H. 5=7228, Eu<sup>2+</sup> e.s.r. in PbCl
Bardet, R. + 5=6024, Accumulation of energetic plasma
Bardet, R. + 5=6025, Theory of "dynamic bunch"
Bardet, R. + 5=9017, Plasma in "Pleiades" machine
Bardin, C. + 5=7590, Chromosphere of ζ Aurigae
+ Bardin, J. L. 5=3333, Underwater sound reflection
Bardotti, G. + 5=1112, Magnetic configuration of cylinder
+Bareau, J. 5=953, Spectroscopy of N2 stream
Barfield, A.F. + 5=3122, Appearance potentials
Barfield, M. + 5=1002, Coupled spin systems
Barfield, M. 5=3057, Proton coupling across 4 bonds
Barge, D. + 5=630, K-P charge exchange
Barger, V. + 5=561, Nucleon electromagnetic structure
Bariaux, D. + 5=9247, Measurement of the thickness of films
Barkan, S. 5=2539, He diffusion cloud chamber
+Barkas, W. H. 5=5381, Life of \pi^{\circ}
 +Barkas, W. H. 5=10971, Elementary particles, resonant states
+Barkas, W. H. 5=11104, K<sub>14</sub> decay in emulsion
Barkely III, W. J. 5=3810, X-ray stress analysis
Barker, A.S., Jr. 5=4314. Optic mode study in MgF_2 and ZnF_2Barker, J.A. + 5=5809, Interaction between inert gas atoms
Barker, F.C. 5=694, Nuclear threshold levels
Barker, F. C. 5=14475, Quadrupole matrix elements
Barker, R. E., Jr. 5=2183, Units for conductivity
Barker, R. E., Jr. + 5=4082, Conductivity in cellulose acetate
Barker, R. S. + 5=12426, γ-Rays and optical absorption of glass
+Barker, W. A. 5=14899, Detection of Co<sup>57</sup> by Mössbauer effect
+Barkinkhoev, Kh. G. 5=6942, Electrical properties of Se Barkman, J. H. + 5=93489, Specific heat of NaCl
 +Barmore, W. L. 5=15183, Ag-Al prismatic slip
Barkov, L. M. + 5=10668. System for linear displacements
Barles, C. 5=6952, Phthalocyanines as semiconductors
Barlett, R. H. + 5=8372, Attenuation for 5- to 11-MeV photons
+Barloutaud, R. 5=598, Deuteron as nucleon target
Barlow, A, J. + 5=8474, K<sup>*</sup>P \rightarrow K*N and KN* at 3 GeV/c Barlow, A, J. + 5=1174, Viscoelastic relaxation of liquids
Barlow, H. B. + 5=8166, Afterimages in dark adaptation
Barna, A. + 5=10920, Modular instrumentation system
Barna, S. F., Jr. + 5=1055, Ionization coefficients in H and D
Barnard, A. C. I. + 5=8305, Computer in a nuclear laboratory
Barnard, G.P. 5=2501, Ionization chambers for megavolt X-rays
Barnard, G.P.+ 5=2502, Cavity ionization chambers
Barnard, G.P.+ 5=2578, N.P.L. exposure standards
Barnard, G.R. + 5=3333, Underwater sound reflection
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     acid
Beljers, H. G. + 5=7218, Co^{2+} e.s.r. in Cs_{q}CoCl_{g} Bell, B. + 5=13586, Lunar modulation of geomagnetism
Bell, F. 5=12361, Stage III and IV Ni recovery
Bell, G. M. 5=3322, Self-diffusion of ions
Bell, G. M. + 5=6457, Models for solid hydrogen. III
Bell, J.A. 5=3135, Mass spectra of diazirine and diazomethane
Bell, J. F. 5=9540, Deformation of high purity Cu
Bell, J.S. + 5=625, 2\pi decay of K_2^0 meson
Bell, J.S. 5=773, Nuclear optical model for pions
Bell, J.S. 5=8276, Quantum field theory
Bell, R. E. 5=13874, Problems on random events
Bell, R. J. + 5=10686, Grating spectrometer for infrared
Bell, R. J. + 5=10691, Radiation chopper principle
Bell, T. F. 5=15714, Time reversal of geocyclotron mechanism
Bell, W. + 5=1245, Order in solid solutions
+Bell, W. 5=3613, Kikuchi line analyses
+Bell, W. E. 5=13152, Gaseous oxides of Ir
+Bellamy, W.D. 5=3088, Films of methyl chlorophyllide
+Bellet, J. 5=971, Rotational spectra of SO<sub>2</sub>
+Bellet. J. 5=3009, Rotational constants of SO.
Bellicard, J. + 5=5614, Chromium-52 by electron scattering
+Bellini, G. 5=2655, π Interactions on nuclei
Bellis, R.E. + 5=8881, Free radical e.s.r.
+Bello, S. 5=3355, Conductivity in electrolyte solutions
Bellotti, E. + 5=626, K_2^\circ \rightarrow \pi^\circ + \pi^\circ + \pi^\circ decay
Bellotti, Y. A. + 5=10320, Converging shock tube
```

```
Belorizky, D. 5=13768, Remarkable group of spots
+Belorizky, É. 5=4239, E.S.R. broadening of Er3+ ion in MgO
+Belorizky, E. 5=12979, Electron resonance of Er3+ in MgO
Belous, M.V. + 5=1272. Carbide phase of steel
Belous, V. M. + 5=7400, Luminescence and photoelectricity of AgBr
Belousova, I. M. + 5=8051, Gas laser oscillation modes
Belov, K.P. + 5=1608, Magnetoelectric phenomena in gadolinium
Belov, K. P. + 5=7125, Magnetic properties of gadolinium
Belov, K. P. + 5=7153, Magnetism of rare earth metals
Belov, N. S. + 5=12859, Electron multiplier for mass-spectrometer
Belov, N.V. + 5=1292, Shubnikov antisymmetry groups
+Belov, N. V. 5=6485, Crystal structure of uklonskovite
+Belov, N. V. 5=6487, Crystal structure of Na<sub>2</sub>O. TiO<sub>2</sub>. SiO<sub>3</sub>
Belov, N. V. 5=12161, Bravais lattice nomenclature
+Belov, N. V. 5=12191, Crystal structure of Be<sub>4</sub>[Si<sub>2</sub>O<sub>7</sub>] (OH)<sub>2</sub>
+Belov, N. V. 5=12194, Crystal structure of CaNa[B5O7(OH)]. 3H2O
 +Belov, N. V. 5=12248, Structure of antimonyl tartrates
+Belov, N. V. 5=15017, Crystal structure of K_2BeF_4 Belov, V. P. + 5=5247, Regge pole trajectories
+Belozarevich, N. L. 5=8871, Spectra of aromatic molecules
Belrose, J.S. + 5=7526, Polar winter mesosphere
 +Belrose, J.S. 5=7541, Ion gyrofrequency observed in satellites
Belrose, J. S. + 5=13477, Ionosphere partial reflection
Belrose, J. S. + 5=15726, V. L. F. ionospheric noise
Bel'skii, N. K. + 5=7362, Absorption and dispersion of ruby
Belson, H.S. 5=1752, Skew and dispersion measurement
Belt, R. F. 5=1291, Crystal perfection of ADP
Beltrami, M. + 5=15634, Determination of impurities in alkali
      halides
Bely, O. 5=8776, Ion + electron system
+Belyaev, A.D. 5=12583, Capture of carriers in Ge
Belyaev, A. D. + 5=15210, Recombination in Ge
Belyaev, I. N. + 5=3640, Compounds with pyrochlore structure
Belyaev, L. M. + 5=4127, Electron emission of triglycine sulphate Belyaev, L. M. + 5=15372, Dielectric constant
 +Belyaev, N. M. 5=14800, Gas volume evacuation
 Belyaev, S. T. 5=11206, Collective nuclear Hamiltonian
+Belyaeva, A. I. 5=13060, Absorption spectrum of MnCO_3+Belyaeva, I. I. 5=3640, Compounds with pyrochlore structure
+Belyakov, M. A. 5=13807, (\alpha, n_{\gamma}) reaction thickness measurement
Belyantsev, A. M. + 5=8006, Propagation in ferrite-filled
      waveguides
+Belyatskaya, N.S. 5=1331, Structural peculiarities of Si
Bém, P. + 5=8629, Proton polarization angular distribution
Bemrose, C.R. 5=1660, Aluminium antimonide p-n junctions
Bemrose, C. R. 5=1600, Authinitian artificities \beta. Bemski, G. + 5=1457, Defects in p-type silicon Benaksas, D. + 5=644, D e.m. form factors +Benaksas, D. 5=5335, p form factor measurement +Benaksas, D. 5=5385, \pi^{\circ} \gamma-production from d
 Bénard, J. 5=15622, S chemisorption on Ag
Bénarroche, M. 5=9884, Hydrogen series in aromatic crystals + Benary, O. 5=5443, Y<sub>1</sub>*production by p + p + Benczer-Koller, N. 5=9391, Pt Debye-Waller factor
BenDaniel, D. J. + 5=10513, Magnetic field configurations +Ben-David [Davis], G. 5=775, Elastic scattering of \gamma-rays
+Ben-David, G. 5=738, 7, 285-MeV level in Pb<sup>208</sup>
+Ben-David, G. 5=14347, Tape system for multichannel analysis
Bendeliani, N. A. + 5=6481, Compact modification of silica
 +Bendorius, R. 5=15557, Pressure effect on PbS spectrum
+Bendrikova, G.G. 5=4127, Electron emission of triglycine sulpha
Bendt, P.J. 5=2178, Sound in cavities
 +Béné, G. 5=8884, N. M. R. in earth's magnetic field
 +Bene, G. 5=9871, Sensitivity in n.m.r.
 Benedek, G. B. + 5=6179, Brillouin scattering in liquids and solids
 Benedek, G. B. 5=7283, N.m.r. in solids under pressure
Benedek, G. B. 5=13005, N. M. R. at high pressure +Benedetti, E. 5=11074, Single pion production
 +Benenson, W. 5=11040, Polarized n scattering from He
+Benesovsky, F. 5=1250, Cr-W-C system
Benette, C. J. + 5=1035, Radiation from anodes before breakdown
 +Beneventano, M. 5=598, Deuteron as nucleon target
Bengtsson, E. + 5=1350, Three-crystal spectrometer
Benham, P. P. 5=12551, Cyclic strain creep in steel
Benioff, P. 5=7704, Knowledge and measurement
 Beniston, M. J. + 5=8521, p-He³ resonance in A He⁴ decay
 +Benjamini, E. A. 5=7399, Luminescence in Si anodic oxidation
 Ben-Menahem, A. 5=4431, Mode-ray duality
Ben-Menahem, A. 5=4432, Response of an elastic sphere
 +Ben-Menahem, A. 5=13202, Seismic waves by nuclear explosions
 Ben-Menahem, A. + 5=13204, Seismic waves from dipoles
+Ben-Menahem, A. 5=13914, Attenuation of dispersed waves Ben-Naim, A. + 5=3306, Solubility of Ar in \rm H_2O-ethanol
```

```
Physics Abstracts 1965 - Part I (Jan.-June)
Ben-Naim, A. 5=11880, Thermodynamics of Ar solutions
Bennemann, K. H. 5=12345, Lattice point defects
Bennet, L. H. + 5=9868, Solute n. m. r. in Pb alloys
Bennet-Clark, H. C. 5=8177, The oculomotor response
Bennett, A. J. + 5=3925, g factor in metallic zinc
Bennett, F. D. + 5=15267. Resistance in exploding wires
+Bennett, H.E. 5=4277, Ellipsometric optical constants
Bennett, H. S. + 5=7314, Faraday effect in solids
Bennett, J. M. + 5=13072, IR optics of Ag and Au
Bennett, R.G. 5=4336. Intermolecular energy transfer, I
Bennett, R.G. + 5=4337, Intermolecular energy transfer. II
+Bennett, R.G. 5=4338, Intermolecular energy transfer. III
Bennett, R. G. 5=4340, Intermolecular energy transfer. V
+Bennett, S. L. 5=9325, Properties of \alpha and \gamma As
Bennett, S. M. + 5=11155, Cosmic rays in 1961:discussion +Bennett, W. H. 5=3229, Hollow cathode discharge
Bennett, W. R. + 5=4998, Relaxation of Ar laser levels
Bennett, W. R., Jr. + 5=2290, He-Ne gas laser
Bennewitz, H. G. + 5=9039, Van der Waals constants
Benney, D. J. + 5=1138, Stability of varying flows
Bennick, A. H. + 5=10133, Model of moderate mass star
+Benning, C. J. 5=14029, Multikolovolt pulse generator
Bennoun, J. F. 5=10256, Elasticity in general relativity
Benoist—Gueùtal, P. + 5=8404, N—d scattering at 155 MeV
+Benoit, H. 5=3378-9, Sedimentation in density-gradient
Benoit, H. + 5=7275, N.m.r. in carbon series
Benoit, R. + 5=5255, Track recognition in ionization chambers
Benoit à la Guillaume, C. + 5=2299, Laser action in GaAs
Benoit à la Guillaume, C. + 5=14164, Laser effect in InAs
+Benoit-Cattin, P. 5=7974, Positive ion sources
Benseman, R. F. + 5=10396, Sun simulator for heating
Benson, J. L. + 5=8780, Atomic masses of H1, Cl35 and Cl37
Benson, R. F. 5=4494, Ionespheric cross modulation +Benson, R. W. 5=10345, Threshold shift with noise Benson, S. W. + 5=9083, Quantum fluid lattice model. I +Bent, R. D. 5=8676, Si<sup>28</sup>(\alpha, \alpha'\gamma_{1\cdot77}) and O<sup>16</sup>(\alpha, \alpha'\gamma_{\theta \circ 3}) +Bentley, F. F. 5=11559, Iodoalkanes i.r. absorption spectra
Bentley, W. H. + 5=12798, Complexes at high pressures
Benumof, R. 5=14608, Optical pumping
+Benveniste, M. 5=9500, Impurities and optical properties of LiF
Benzi, V. + 5=14559, Fission product poisoning
Beran, M. + 5=10473, Coherence functions
Béranger, G. 5=12343, O<sub>2</sub> diffusion in α-Zr
+Berben, T. J. 5=3991, Superconduction in GaN
+Bercaw, R.W. 5=2840, \alpha scattering by Ar<sup>40</sup>, Ar<sup>36</sup>, S<sup>32</sup>, Si<sup>28</sup> and O<sup>16</sup> +Bercha, D. M. 5=3912, Band symmetry in crystals
+Berdyshev, A. A. 5=15283, Electron-spin wave interaction in
superconducting ferromagnet
Beregi, P. + 5=5675, Reaction of cluster substitution and structure
Berényi, D. + 5=8593, Co<sup>56</sup> /-forbidden transition
+Berényi, D. 5=11010, Transmission of S^{35} \beta's in air
+Beresnev, B. I. 5=3846, Healing of pores in metals
Berezin, F. A. 5=2061, Many-particle Schrödinger equation
+Berezin, V. A. 5=2108, Three-layer cylindrical transducer
+Berezin, Yu. A. 5=3225, Optimum plasma accelerator
+Berezkina, M. K. 5=4786, Formation of shock wave
+Berezkhova, G. V. 5=9521, Dislocation binding in crystal ribbons
+Berezhkova, G. V. 5=12128, Al<sub>2</sub>O<sub>3</sub> whisker production
Berezhkova, G. V. + 5=14962, Twins in corundum
Berezhnoi, V. M. + 5=9057, Decay product diffusion
Berezhnaya, I.A. + 5=15407, Photoconductivity of PbS
+Berezhnoy, Yu. A. 5=11283, Nuclear diffraction scattering
Berezin, A. M. + 5=10427, Stability of electronic timer
Berg, C.A. 5=4627, Lunar erosion and brownian motion
Berg, H. + 5=4405, Flash apparatus for photochemistry
Berg, H. C. 5=10567, Analysis of radio-frequency signals
Berg, H. C. 5=10586, Spin exchange in atomic H maser
Berg, R. A. 5=8209, Position and intrinsic spin operators
Berg, R. A. 5=8212, Covariant higher-spin equations
+Bergbauer, D. M. 5=4383, Reflected shock wave
Bergdahl, T. K. 5=12513, Sintering and softening in kaolin-
      quartz-felspar
+Berge, G. L. 5=1971, Galactic magnetic field
+Berge, G. L. 5=4605, Polarization of radio sources
Berge, G. L. + 5=13748, Displacement of Jupiter's dipole
Berge, O. E. 5=2316, Intensity measurement in microsecond
+Berge, P. 5=9500, Impurities and optical properties of LiF
Bergel'son, B.R. + 5=869, Reactor graphite properties
Berger, C. 5=8185, Coloured form-perception
Berger, H. + 5=2132, Continuous-wave ultrasonic imaging
Berger, H. + 5=3587, CdS and CdSe layers
+Berger, J. 5=15815, Sky covered by galaxies. II
```

```
Berger, K.W. 5=145, Recognition of timbre
Berger, L. 5=6546, Specific heat and magnetization of Cr-Fe
      and Fe-Co
 Berger, L. I. + 5=12297, Semiconducting compounds of A_2^1B^{17}C_3^{71}
      type
 +Berger, R. L. 5=7894, Detection and recording systems
 Berger, R. L. + 5=7896, Calorimeter and spectrophotometer for
       biology
 Berger, R. L. + 5=7897, Conduction and diffusion in biology
Berger, R. L. + 5=7918, Transistorized voltage regulator
 Berger, R. O. + 5=11456, Long-range interactions
 Bergere, R. + 5=5292, Electron linear accelerator
 +Berggren, T. 5=8632, (p, 2p) reaction
+Berghout, C. W. 5=6877, Nucleation fields in superconductors
 +Berglund, C. N. 5=4132, Photoemitted energy distributions
 Berglund, C. N. + 5=4135-6, Cu and Ag photoemission studies
Berglund, S. + 5=2192, Hall effect multiplier
 Bergmann, P. G. + 5=7781, Spherically symmetric gravitational
 Bergsnov-Hansen, B. + 5=6116, Ion gauge calibration
 +Bergstein, L. 5=14096. Discussion on resonators
 Bergström, A. 5=7742, GAP language for criterion fulfillment
 +Bergström, A. 5=11334, The Li<sup>6</sup>(n, \alpha)H<sup>3</sup> reaction
 +Bergström, I. 5=8775, Kauger electrons in Br75
 +Bergström, S. 5=5549, Gamma decay of Pr<sup>143</sup> and Ho<sup>165</sup>
 +Bergvall, P. 5=15205, Doping of Bi<sub>2</sub> (Te, Se)<sub>3</sub>
 +Berick, A. 5=8314, Time-of-flight counter
 Berkeliev, A. D. + 5=15216, Lifetime of carriers in n-InSb
 +Berkey, F. T. 5=15736, Radiowave absorption in auroral zone
 Berkeley, P. J., Jr. + 5=3041, Stabilities of H bonds to N
 Berkes, I. + 5=742, Nuclear decay
Berker, R. 5=9026, Equations of motion of fluid
 Berkner, L. V. + 5=13229, Atmospheric O history
 +Berko, S. 5=2537, Time to pulse height system
 Berko, S. + 5=9611, Positron annihilation in ferromagnets
 Berko, S. 5=15255, Positron annihilation in ferromagnets
Berkowitz, E. H. 5=5517, Level parameters of nuclear states
 Berlande, J. + 5=1023, Pressure wave in ionized gas +Berlande, J. A. 5=3172, Microwave interactions in plasmas
 +Berlaga, R. Ya. 5=12704, Dynamic capacitor for surface potential
 +Berlaga, it. 12. \delta=11125, \Sigma-\Lambda relative parity
Berlinguette, G.E. + 5=5274, Fluorometer for chemical dosimetry
 Berlman, I.B. + 5=2508, Fluorescence decay-time apparatus
 Berlovich, E. Ye. 5=11237, Alaga's rules violation
 Berman, A. I. 5=1959, Observatories in space
 +Berman, I.B. 5=1469, Dislocations in irradiated crystals
 +Berman, I. B. 5=12483, Microhardness of alkali halide crystals
 Berman, R. + 5=10389, Au-0.03 at. % Fe thermoelements
 Berman, S. M. 5=8252, Weak interactions
 Berman, S. M. + 5=8383, p interactions and time reversal Berman, S. M. + 5=14430, Photopion production
 Bernard, D. 5=5964, State of charge of O16 ions
 +Bernard, D. L. 5=11374, O<sup>16</sup>—O<sup>16</sup> scattering
 +Bernard, R. 5=4099, Measurement of Peltier coefficient
 +Bernard, R. 5=4869, Measurement of Peltier coefficient
 +Bernard, R. 5=5020, Filamentary modes of crystal laser
 +Bernard, R. 5=12152, Semiconductor surface dipole layer Bernardini, C. 5=8397, Stored e<sup>+</sup> and e<sup>-</sup> interaction Bernardini, G. + 5=8441, Intermediate boson in \nu interactions +Bernas, R. 5=5632, Be<sup>7</sup> production in Al, Ta, Au
 Berndt, A. F. 5=15019, Lattice constants of Pu alloys
 Berndt, M. M. 5=522, Mura electron accelerator. IV
 Berne, B. + 5=6144, Erratum: Kinetic theory of dense fluids. XVI.
Bernheim, P. A. + 5=1000, N.M.R. of cyanomethylene
Bernheim, R. A. + 5=11599, Deuteromethane n.m.r. isotope shift
 +Bernitt, D. L. 5=5868, Vibrational spectra of nitric acids
 +Bernshtein, M. L. 5=1269, Polygonisation in Mo
 Bernstein, A. M. + 5=685, Spin, magnetic moment of N13
Bernstein, B. + 5=3241, Thermodynamics of fluids
Bernstein, B. T. 5=12443, Elastic constants of metals. II
Bernstein, E. M. 5=5509, Excitation for odd-mass nuclei
+Bernstein, E. M. 5=834, Deuteron capture in C ^{1*} +Bernstein, E. M. 5=11358, Al^{27}(d, \alpha) and F^{19}(d, \alpha) and 21 + 1 rule
 Bernstein, E. M. 5=14531, Proton bombardment of B10
+Bernstein, H. J. 5=14135, N.M.R sub-spectral analysis. I Bernstein, J. + 5=2667, 2\pi Decay of K_2^0
 +Bernstein, R.B. 5=2954, Rotational de-excitation of D<sub>2</sub>
 +Bernstein, R. B. 5=8902, Molecular focusing and orientation
 +Bernstein, R. B. 5=9050, Transport cross sections
 +Bernstein, R. B. 5=13154, Energy of reaction products. I
 +Bernstein, W. 5=11676, Synthesized plasma streams Bernstein, W. + 5=13555, Solar wind—magnetosphere interface
 +Berodias, G. 5=1243, Phases after reduction of U.O.
```

```
Berović, N. R. 5=8668, The N<sup>14</sup>(d, \alpha)C<sup>12</sup> reactions at 1 MeV +Berozashvili, Yu. N. 5=9947, Radiative recombination in GaAs
+Berozashvili, Yu. N. 5=12502, GaAs energy level spectrum
Berreman, D. W. 5=10665, Light guides
+Berry, J. M. 5=1092, Radiation from Ar plasma
+Berry, L. A. 5=2267, Terrestrial radio wave fields
Berry, L. A. 5=8009, Long-range l.f. radio waves
+Berry, M. 5=8926, Air breakdown by lasers
Berry, M. + 5=9046, Air absorption of laser beam
Berry, R. S. + 5=11665, Photodetachment of chloride
Berry, R. S. + 5=12577, Charge-transfer in crystalline anthracene
Bers, A. + 5=14755, Negative-energy plasma waves
Berson, I. Ya. 5=14465, Coulomb excitation of nuclei
Bersuker, I. B. 5=1415, Absorption of sound by Cu
Bersuker, I.B. + 5=15496, E.P.R. of Cu groups
Bertaud, C. 5=4582, Supernovae light curves
Bertaud, C. 5=15780, Sources of cosmic X-rays
+Bertaut, E.F. 5=1396, Structure of UCrO<sub>4</sub>
+Bertaut, E. F. 5=6446, H-atom positions in Al<sub>2</sub>O<sub>3</sub>. 3CaO. 6H<sub>2</sub>O
Bertaut, E. F. + 5=7116, Rotation of spins in cobalt Bertaut, E. F. + 5=7122, Magnetic structures of Cr_*X_4(X=S,Se,Te) Bertaut, E. F. + 5=7140, Magnetic order of MnYO_3
Bertaut, E. F. + 5=7165, Magnetic structure of \beta-FeNaO, Bertaut, E. F. + 5=7184, Magnetic structure of GeNi<sub>2</sub>O<sub>4</sub>
Berteaud, A. J. + 5=7996, Ferrite amplifier for microwaves
Bertein, F. + 5=5020, Filamentary modes of crystal laser
Berthel, K.-H. 5=3973, Magnetoresistance of W and Mo
+Berthelot, A. 5=603, \pi^*d interactions at 4.5 GeV/c
+Berthelot, A. 5=11074, Single pion production
+Berthelot, A. 5=11081, The \pi^- p \rightarrow N_{33}^{*++} \pi^- \pi^- reaction
Berthelot, C. A. 5=5815, Isotope analysis of uranium
Berthelot, J. 5=5926, Pulse excitation in discharges
Berthet, C. + 5=7441, Explosion on electrodes in filtre medium
Berthold, G. 5=4297, I.R. transmission of BeO[S], MgO[S], Li<sub>2</sub>O
Berthold, I. + 5=4272, N.Q.R. of Na<sup>23</sup> in Na, S, O<sub>8</sub> 2H, O
Berthomieu, C. + 5=14649, Anharmonicity and H bonds I. Amines
Bertin, E. P. 5=4421, Slit probe for X-ray spectrometer
Bertin, F. + 5=7519, Magnetic storm electron content
Bertocchi, L. + 5=10754, Short wavelengths in Schrödinger
      equation
Bertocchi, L. + 5=10850, Scattering by singular potentials
Bertola, F. 5=10148, Planetary nebula with W. N. nucleus
Bertolaccini, M. + 5=14328, Spectrum expander for semi-
     conductor detector
Bertolini, G. + 5=14330, Si Li-drifted detectors
Bertulis, K. + 5=15375, Dielectric properties of PrF<sub>3</sub>
+Berton, A. 5=6553, Specific heats of NLa and NNd
+Berton, L. J. 5=6864, Superconductor electrodynamics
+Bertotti, B. 5=1112, Magnetic configuration of cylinder
+Bertozzi, W. 5=5700, Neutrons from thorium photofission
Berulava, B. G. + 5=15506, E. P. R. spectra in CaF<sub>2</sub>
Berz, F. 5=4278, Reflection from semi-conducting surface
Berzin', B. J. 5=9958, Kinetics of KI-Tl luminescence
Berzina, I.G. + 5=1469, Dislocations in irradiated crystals
+Berzina, I.G. 5=1552, Mechanical properties of zinc crystals Berzina, I.G. + 5=12483, Microhardness of alkali halide crystals
Bès, D. R. + 5=14467, \gamma-vibrational state
Beshers, D. N. 5=6613, Interstitials in b.c.c. lattice
+Beshers, D. N. 5=9467, Dislocations in deformed iron
+Beskorskii, A. I. 5=11050, Pulses in neutron-counters
Beskow, A. + 5=378, Lorenz-Lie groups combination
+Bespamyatnykh, S. G. 5=15138, Plastic deformation distributions
+Bessa, F. A. 5=6772, Creep of polycrystalline zinc
+Bessey, R.J. 5=4682, Line broadening in spicules
Besson, J. + 5=12020, Polymorphism of powdered U
Besson, J. + 5=12058, Gas-solid kinetics
+Besson, J. M. 5=10702, Kramers-Krönig inversion
Besson, R. + 5=7948, Free radicals for magnetometry
Bessonov, M. I. 5=3822, Rupture of polymers
Bessonov, M. I. + 5=12026, Phase state of polyvinyl alcohol
Bessouat, R. + 5=14847, Measuring thermal conductivity of liquids
Bestenreiner, F. 5=4120, Sensitivity of p-n photoelements
+Betbeder-Matibet, O. 5=3982, Superconducting alloys
Betchov, R. + 5=6072, Oscillations of turbulent flow
+Betekhtin, V. I. 5=3830, Blocks in metals during creep
Bethe, H.A. 5=69, Derivation of Brueckner theory
Bethge, K. + 5=4926, Penning ion source
Betjemann, A. G. 5=6790, Carrier mobility in Si
Betsuyaku, H. + 5=4273, V-H system N.M.R.
+Betsuyaku, Y. 5=4273, V-H system H.M.R.
+Betsuyaku, H. 5=12185, Reflectivity of neutrons by a crystal
Bettinali, C.+ 5=4343, Inorganic thermoluminescence
+Bettoni, M. M. 5=5661, Neutron capture \gamma-rays in Pr, Tb, Dy
```

```
+Beurskens, P. 5=9364, The crystal structure of o-nitroperoxy-
     benzoic acid
Beurtheret, C. 5=9183, Complex vaporisation region
+Bever, M. B. 5=3460, Solutions of Bi<sub>2</sub>Te<sub>3</sub> and Bi<sub>2</sub>Se<sub>3</sub>
+Bevington, P. R. 5=5643, Scattering of neutrons from nuclei
+Bevington, P. R. 5=8642, Scattering of 6 MeV neutrons
+Beyer, J. B. 5=8979, Resonator in plasma diagnostics
Beynon, J. H. + 5=8731, Ions in mass spectrometers
Beynon, W.J.G. + 5=4493, Ionosphere collision frequency Beynon, W.J.G. 5=7651, I.Q.S.Y.
Beynon, W. J. G. + 5=13513, Discoverer 36 radio scintillations
+Bezaguet, A. 5=1110, K+ interactions at 900 MeV/c Bezaguet, A. + 5=5425, Upper limit for \omega^{\circ} \rightarrow e^{+} + e^{-}
+Bezaguet, A. 5=8484, Beta-decay of ∑*hyperons
Bezeglyi, V.D. + 5=9997, Stability of plastic scintillators
Bezemer, J. 5=8604, Decay of 202 Tl
Bezirganyan, P. A. 5=1170, Scattering of X-rays in liquids: L.
Bezirganyan, P. A. 5=2366, X-ray scattering
+Beznosikov, B. V. 5=12952, Domains in Tm, Dy and Tb ferrites
+Bezrukikh, V. V. 5=15760, Magnetic field and positive ions
      inside magnetosphere
Bezrukov, O. F. + 5=14134, Pulse generator
Bezugly, P. A. + 5=1580, Fermi surface in gallium +Bhaduri, D. 5=7885, Flame propagation in flows Bhaduri, R. K. 5=5351, Velocity dependence in n + p
Bhagiratha Rao, E. + 5=1946, Electron content determinations
Bhalla, C. P. 5=2764, Electron radial functions and phase shifts
 +Bhan, S. 5=3624, B<sub>s</sub> structure in Cu<sub>2</sub>In-NI<sub>2</sub>In
Bhand, S. C. + 5=10373, Convection in weak electrolytes
 Bhandari, C. M. + 5=15060, Thermal conductivity of Ge-Si
+Bhar, J. N. 5=12710, Microwave study of semiconductors
Bhargava, B. N. 5=1941, Equatorial electrojet
Bhargava, B. N. + 5=13580, Geomagnetism and equatorial electroje
Bhasin, V.S. 5=2615, Neutron deuteron doublet scattering
Bhasin, V. S. + 5=8425, n-d scattering at low energies
Bhathagar, V.M. + 5=12214, Thiophene clathrate and Ni(CN)2.
     NH, . 1/4 H2O
+Bhatia, A. K. 5=8798, Wave, theory of molecules. II
Bhatia, A. K. + 5=14578, Two-electron, fixed-nucleus problem
Bhatia, A. K. + 5=14632, Decomposition of Schrödinger equation Bhatia, M.S. + 5=1588, Electron gas at metallic densities
Bhatnagar, C. S. 5=7022, Magneto-electret +Bhatnagar, G. P. 5=13170, Current carrying conductor Bhatnagar, M. S. + 5=13718, Shocks in a \beta-cephei star
Bhatnagar, R. K. 5=3243, Rotating sphere in a fluid
+Bhatt, K. H. 5=8548, Nb94 low-lying states
Bhatt, K. H. + 5=11228, Nuclear spectroscopy of Nb, Mo and Tc
Bhattacharya, H. + 5=4474, Equivalent lightning channel Bhattacharyya, B. D. 5=7083, Magnetic anisotropy of Fe<sup>2</sup>, Tutton
     salts
Bhattacharyya, G. C. + 5=9361, Crystallographic date of Di
      (o-phenyl azophenyl) disulphide and pyridine picrate
Bhattacharyya, J. + 5=11898, Relaxation of nitrobenzene
Bhattacharyya, J. + 5=14859, Absorption of microwaves in
      liquids. I
Bhattacharyya, J.C. + 5=4448, Mean windspeed indicator
+Bhattacherjee, S.K. 5=2749, Levels in La140
Bhattacherjee, S. K. 5=2753, Excited states in Ta<sup>181</sup> and Cs<sup>133</sup>
 +Bhattacherjee, S. K. 5=11230, The 160 keV state in Cs133
Bhaumik, M. L. + 5=8118, Time-resolved spectroscopy
Bhaumik, M. L. + 5=11542, Intramolecular energy transfer in
     rare-earth chelates
 Bhaumik, M. L. + 5=15609, Triplet-triplet transfer to rare earth
     chelates
Bhavilai, R. + 5=10183, "Double limb" in Ho
 Bhide, V. G. + 5=14893, Ionic characters from Mössbauer shifts
+Bhonsle, R. V. 5=7664, Radio observations of solar eclipse
Bhowmik, B. 5=8478, Hyperon interaction
Bhuta, P.G. + 5=3290, Liquid sloshing in a cylinder
 Bhuta, P. G. 5=10237, Bending of constrained beam
 Bhuta, P. G. + 5=11846, Coupled oscillations of liquid
Bialas, A. + 5=11032, Large angle p—p scattering
Bialas, A. + 5=14299, Scattering and 2-body annihilation
 Bialas, E. 5=7760, Riemann directions of gravitation
 Białas-Zabawa, A. + 5=8758, Spectra of Mg II, Ca II, Sr II and Ba
Białkowski, G. + 5=631, K*-p scattering
 +Białkowski, J. 5=14323, Random photo-peak in scintillation
     spectrometry
Bianchi, G. + 5=1909, Anodic behavior and passivity
Bianchi, G. + 5=8639, Numerical analysis, neutron resonances
+Bianchi, G. 5=11329, Co resonance parameters for n
 +Biard, J. R. 5=13117, Optical generation in GaAs diodes
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```
Biberman, L. M. + 5=10646, Optics action program. III
Bibl, K. 5=7531, Anomaly in F-region ionization
+Bibring, H. 5=15179, Internal friction in Nb—Ti (4. 8%)
+Bichard, J. W. 5=3908, 1s states in As- and Sb-doped Si
Bichteler, K. 5=10279, Collision invariants
Bickerton, R. J. 5=1083, Hydromagnetic waves
Bicknell, R. W. + 5=9299, Epitaxial Si on quartz
+Biczó, G. 5=3919, Computation of energy hand of DNA
+Biczó, G. 5=12601, Energy-band for DNA models
Biddle, P. 5=2856, Xe<sup>133</sup> emission by U-carbonitrides
+Biddle, P. 5=12341, Fission gas from UO.
+Biddulph, R. B. 5=6687, Strength—porosity relation
Bidlack, D. L. + 5=9098, Diffusion in nonassociating liquid systems
Bidwell, L. R. 5=1382. Unit-cell dimensions of Ni-Pd
Bidwell, L. R. + 5=6541, Thermodynamic properties of Ni-Pd
Biebl, K. J. 5=2650, Elastic \pi-D scattering
+Biedenharn, L. C. 5=7722-3, Semisimple Lie groups III-IV
+Bielen, H. J. 5=9332, Neutron diffraction at Puerto Rico
Bienenstock, A. + 5=1577, Alkali-metal conduction e.s.r.
Bienlein, J. K. + 5=5320, Neutrino interactions
+ Bienlein, J.K. 5=8441, Intermediate boson in \nu interactions
Biermann, L. + 5=15864, Plasma in interplanetary space
Biermann, W. + 5=6583, Sb and Ru diffusion in Ag
Biet, J. P. 5=6953, Measurements on semiconductor elements
Bietti, A. + 5=11183, Scalar mesons and nuclear coupling
Bigg, E. K. 5=13600, Lunar influences on magnetic storms
Bigi, A. + 5=2680, Strange particles production Bigi, A. + 5=5395, \pi^- + p \rightarrow \pi^\circ + n at 930 MeV
+Bigliardi, G. 5=12241, Crystal structure of Bis(hydrazine)zinc
     isothiocvanate
Biguet, A. + 5=6023, Confinement time of hot plasma
+Bikbulatov, T. A. 5=14571, Mass-spectrometer with prisms
Bil'dyukevich, A. L. 5=10466, Laboratory electromagnet Bil'dyukevich, A. L. 5=14056, D.C. magnet
Bilello, J. C. + 5=6731, Strengthening of LiF crystals
Bilenky, S. M. + 5=10811, Consequences of Bohr's symmetry
+Bilger, R.C. 5=144, Temporal integration as function of
frequency
Billing, B. F. 5=7890, Thermocouples
+Billings, D.E. 5=4672, Coronal ionization
Billings, D. E. 5=13779, Observations in corona
Billings, D. E. + 5=15762, Origin of M geomagnetic storms
 Biloni, H. + 5=14917, Segregation in tin alloys
 +Bilpuch, E. G. 5=5652, s-, p- and d- wave neutron functions
Binaghi Pagés, A. C. F. + 5=7536, Geomagnetic pulsations index
Binder, F. + 5=6124, Excluding pump fluid vapours
+Bingham, H. H. 5=2655, π Interactions on nuclei
 +Bingham, H. H. 5=11120, \beta-decay of \Lambda
Bingöl, G. + 5=3364, Spin-Lattice relaxation in solutions
Binnie, A. J. 5=4877, Inductive decade divider
Binnie, D. M. + 5=14383, Observation of beam profiles
Binns, D. F. + 5=11650, Time lags in SF<sub>6</sub>/air
Binns, J. V. 5=2367, X-ray diffractometers
 Binsch, G. + 5=8882, N<sup>15</sup> magnetic resonance. II. Coupling
Biondi, M. A. + 5=3989, Energy-gap in superconductors
+Biondi, M. A. 5=8957, Electron-ion recombination in nitrogen
Biot. M. A. 5=13845. Internal viscoelastic instability
Bir, G. L. + 5=15484, Electron paramagnetic spectrum Birbriar, B. L. 5=2745, l-retarded \beta-transitions in Ni ^{63}, ^{65}
Birch, F. 5=13215, Mantle and core
+Birch, S. 5=11847, Vibrations in liquid jets
Birchall, T. + 5=1003, Se effects in F n.m.r.
+Bird, L. E. 5=13462, Ionospheric perturbation
+Bird, P. F. 5=1895, Kinetic studies of OH radicals
+Birdsall, C.K. 5=1073, Ion-cyclotron waves
+Birdsall, C.K. 5=7053, Emission from Ti and Ti—D surfaces
Birdsall, C.K. + 5=7962, Focusing of electron stream
Birgeneau, R. J. + 5=3671, Modes of vibration in Ni
Birk, M. + 5=4141, C-70045A Photomultiplier
Birkhoff, R. D. 5=7343, Optical properties of graphite
 +Birkhoff, R. D. 5=13035, Energy losses in metals
 +Birkhoff, R. D. 5=14312, Condenser as spectrometer. III
 Birkle, K. + 5=13767, Image disturbances and sunspots
Birks, J. B. 5=4344, Alkali halide scintillation
Birks, J. B. + 5=9127, 'Excimer' fluorescence VI
Birks, J. B. + 5=9132, Fluorescence of pyrene solutions
Birks, J. B. 5=9995, Excimer fluorescence of hydrocarbons
+Birks, J. B. 5=14853, Excimer fluorescence. VII. Naphthalenes
 Birks, L.S. + 5=13079, X-ray yield for electron excitation
Birmingham, T. + 5=11697, Radiation in plasma
+Birnbaum, G. 5=11406, Quantum transition and Raman action
Birnbaum, G. 5=14143, Optical masers
```

+Birnbaum, H. K. 5=12470, Deformation formation of Al defects Birnbaum, M. + 5=10643, Frequency shifts in ruby lasers Birnbaum, M. 5=15551, Reflectivity of semiconductors Birn, H. 5=3251, Velocity measurements in fluids Birulev, M. S. + 5=10927, Pulse time-amplitude analyzer +Biryulev, V. I. 5=15407, Photoconductivity of PbS Bis, R. F. 5=15238, Susceptibility mass of SnTe Bischoff, K. 5=7870, Sensitivity of thermal receivers Bishop, C. T. + 5=5659, Isomer ratios for (n, γ) reactions Bishop, D. M. + 5=13142, Statistical factors in rate theory Bishop, G.R. 5=483, Congress of nuclear physics, Paris, 1964 +Bishop, G.R. 5=11302, Electron scattering by P³¹ +Bishop, G. R. 5=14527, S³²—e scattering +Bishop, R. E. D. 5=7822, Spectral density analysis Bisgard, K. M. 5=8394, Single gap β-spectrometer Bisi, A. + 5=558, Backscattering of positons
Bisi, V. + 5=11107, Branching ratio of τ' decay
+Bisogni, E. 5=9516, Activation energy of internal friction Bister, M. 5=8297, Heavy-particle spectrographs Bister, M. 5=8298, Heavy-particle spectrographs +Biswas, B. C. 5=9217, Cellulose degradation +Biswas, M. M. 5=12862, Knock-on electrons +Biswas, N. N. 5=8450, Exchange in π^+ p \rightarrow p $\pi^+\pi^0$ at 4 GeV/c Biswas, S. N. + 5=14282, Peripheral interactions +Bitner, E. D. 5=8727, Time-of-flight mass spectrometer +Bitó, J. 5=3104, Moving striation processes Bitó, J. 5=3105, Anode oscillations of discharges Bitó, J. 5=8107, Hg vapour d. c. discharge +Bito, J. 5=8924, Anode fall of discharges Bitó, J. 5=11620, Anodic oscillations of discharges +Bito, J. 5=11636, Moving striations Bittini-Ivan Nicoletti, M. 5=343, Irregularities of electroretinographic intensity +Bixler, H. J. 5=3720, Gas transport in polyethylene Bizot, J. C. 5=11215, Light nuclei Al26 and B10 Bizzeti, P. G. + 5=11298, γ -disintegration of Si²⁸ Bjerregaard, J. H. + 5=2743, Low excited levels in Ca⁴² Bjorken, J. D. + 5=2436, Nonleptonic baryon decays Bjorkland, J. A. + 5=932, X-ray spectrum of muonic atoms +Bjorkland, J. A. 5=14625, Muonic X-ray spectra Björkman, J. 5=8721, Data collecting for reactors +Bjorkstam, J. L. 5=3459, Phase transitions in BaTiO₃ +Blacic, J. D. 5=12543, Strength of synthetic quartz +Black, G. 5=11468, Li ion-atom charge transfer Black, J. L. + 5=10903, Gain stabilizer for scintillation counters Blackburn, J. H. + 5=13926, Exploding wire detonators Blackman, S.S. + 5=3081, Molecular stopping-power +Blackwell, D. E. 5=4650, Zodiacal light and interplanetary plasma. Blackwell, G. R. + 5=11928, Light transmission at melting Bladier, B. 5=2082, Transistory phenomena of strings Bladier, B. 5=4813, Dead points of a room Blair, J.S. 5=699, Excitation of collective levels +Blair, W. M. 5=14439, N* resonances +Blaisse, B.S. 5=4707, Measurement of very small displacement +Blaisse, B. S. 5=12664, Magnetic behaviour of superconductors Blaisse, B. S. + 5=12665, Critical currents through superconductors Blake, R. L. 5=7661, Solar X-ray spectrum +Blakely, J. M. 5=11933, Comments on entropy in entectic freezing +Blakemore, J. S. 5=5013, Pb-salt infrared lasers +Blamont, J. E. 5=1945, Ionospheric temperature measurements Blamont, J. E. + 5=13370, Sodium dayglow Blamont, J. É. + 5=15718, Shock wave effects in upper atmosphere Blanc, D. + 5=489, Hexane filled ion chambers +Blanc, D. 5=5257, Wire—plate spark counter modes +Blanc, D. 5=6097, Excitation by α in rare gases +Blanc, D. 5=7974, Positive ion sources +Blanc, D. 5=14360, Efficiency of spark chambers +Blanc, G. 5=9500, Impurities and optical properties of LiF +Blanc, P. 5=6023, Confinement time of hot plasma Blancett, A. L. + 5=1995, Frozen benzene filler +Blanchard, P. 5=9489, Cu solid solution deformation Blanchard, R. C. + 5=13415, Inner-zone protons Blanco, V. M. 5=4571, Colors of giant M stars Bland, D. R. 5=2036, Isentropic dynamic elasticity Blandamer, M. J + 5=1188, Solvation spectra. VIII. Blander, M. 5=11883, Heats of mixing +Blandin, A. 5=1587, Electron structure of metals +Blandin, A. 5=12364, Transitional impurities in metals Blank, A. Ya. + 5=7195, Skin effect in ferromagnetic metals Blank, A. Ya. 5=15269, E. M. wave propagation in metals Blank, H. + 5=6620, Fault structures in wurtzite +Blankenbecler, R. 5=467, Bounds for multichannel scattering

Blankenbecler, R. 5=469, Multichannel scattering Blankenship, J. L. 5=2532, Vacuum-tube pulse amplifiers Blann, M. + 5=8682, Reactions of Ni¹⁶ with 46- to 68-MeV He³ +Blann, M. 5=11372, Reactions of He³ ions with Fe⁵⁶ +Blanpain, R. 5=4325, Ag| \underline{Hg} | \underline{NO} , i.r. spectrometry +Blaskovic, L. 5=11119, YY production Blass, G. A. 5=13804, Tape recorder in general physics Blässer, G. 5=5709, Parameter oscillation measurements Blatchley, D. E. + 5=8676, $\underline{Si}^{28}(\alpha, \alpha'\gamma_{177})$ and $O^{16}(\alpha, \alpha'\gamma_{643})$ Blatt, F.J. + 5=1688, Thermoelectric power of Cu alloys.II. Blatt, F.J. + 5=9584, Metal electron-electron scattering Blatt, J. H. 5=10688, Prism spectrometers Blatt, J.M. + 5=655, Binding energy of triton +Blatt, S.L. 5=8679, Radiative capture of He³ by Li⁷ Blatz, P. J. 5=7750, Deformation of a Mooney-Rivlin body +Blau, L. M. 5=8681, O^{16} (He³, α) O^{15} and O^{16} (He³, He³) O^{16} +Blauer, J. A. 5=1900, Heat of formation of AlOCl(g) Blech, I. A. + 5=11039, Neutron scattering in V and Cu +Bleekrode, R. 5=5004, Far infrared gas laser Bleekrode, R. + 5=4997, Feasibility of "flamelasers" Bleil, C.E. + 5=4345, CdS exciton emission +Bletzinger, P. 5=2293, Striations in He-Ne laser Blevin, W. R. + 5=4825, Bolometers of evaporated gold +Blewitt, T. H. 5=3800, Elongation of U by N irradiation Bliamptis, E. E. 5=218, Defelecting magnet systems Blichert-Toft, P. H. 5=14505, Decay of $\mathrm{Re^{189}}$ to $\mathrm{Os^{189}}$ Blieden, H. + 5=8443, Search for unstable particles +Blieden, H.R. 5=2743, Low excited levels in Ca42 Blin-Stoyle, R.J. 5=654, Structure of H3 and He3 Blin-Stoyle, R. J. 5=8288, Conference on Nuclear Physics Blin-Stoyle, R. J. + 5=11256, ft Values of β decays Blin-Stoyle, R. J. + 5=14493, Coupling constant in β -decay Blinc, R. + 5=4092, Ferroelectric Rochelle salt Blinc, R. + 5=7280, F¹⁹ magnetic shielding in crystals Blinc, R. + 5=7281, N.M.R. of 5-spin system Blinc, R. + 5=9715, Ferroelectric transition in Rochelle salt Blinder, S. M. 5=2376, Energy eigenvalue spectra +Blinov, A. V. 5=3813, Compressibility of 5 compounds Blinov, P.I. + 5=11719, Plasma decay +Blinowski, K. 5=15473, Magnetic scattering of neutrons in Cr Blistanov, A. A. 5=3807, Dependences of damping factor Blistanov, A. A. + 5=3860, Internal friction in LiF Blistanov, A. A. + 5=15184, Internal friction in AgCl Bliznakov, G. + 5=1284, Adsorption surfaces +Blobel, V. 5=8450, Exchange in π^+ p \to p $\pi^+\pi^0$ at 4 GeV/c Bloch, C. + 5=2730, Isobaric analogue states Bloch, E. A. 5=11398, Cladding of U fuel Bloch, F. 5=9640, O. D. L. R. O. in hollow cylinder Bloch, J. 5=6314, Change of phase and disordering of U2Ti Bloch, S. C. 5=10541, Electromagnetic and acoustic interference Block, M. M. + 5=5321, Neutrino interactions Block, R. C. 5=11328, n Resonance on Fe⁵⁶ +Bloembergen, N. 5=7290, D.C. induced n.q.r. perturbations Bloembergen, N. + 5=8042, Stimulated Raman emission +Bloembergen, N. 5=13024, Brillouin and Raman scattering +Blok, H. P. 5=2789, Decay of Bi207 to Pb207 + Blok, J. 5=2789, Decay of Bi²⁰⁷ to Pb²⁰⁷ +Blok, J. 5=5590, Electron capture decay of ¹⁹⁵ Au Blok, J. + 5=8557, γ -spectroscopy on 155-day Ln¹⁷⁷ Block, S. + 5=3529, Vitreous borates Blokh, I.M. 5=7472, Geoelectrical fields +Blokhin, S.M. 5=4312, X-ray spectrum of La borides Blokhin, S. M. + 5=7370, L_{Trr} fine structure in Y Blokhintsev, D.I. + 5=452, Acausality and dispersion relations Blokhintsev, D. I. 5=4745, Relativistic space properties +Blons, J. 5=5695, Slow-neutron fission of Pu231 Bloom, M. + 5=13138, Spin echoes and chemical exchange +Bloom, M. H. 5=9030, Diffusing, relaxing gas flow Bloomfield, C. H + 5=8956, Ion-atom interchange Bloor, D. 5=2309, Coherence and correlation +Blow, D. M. 5=1241, Non-crystallographic symmetry +Blow, S. 5=1233, Velocity drive for Mössbauer experiment +Bludman, S. A. 5=2628, Decay $\pi \rightarrow e + \nu + \gamma$ +Bludman, S. A. 5=5319, Neutrino e. m. form factor +Blue, G.D. 5=1217, Mass spectrometric studies. II. +Blue, G.D. 5=3073, III. Dissociation of MgF, SrF and BaF Blue, R. A. + 5=8630, Polarization of p scattered by O Bluhm, A. L. + 5=14186, I.R. absorption, computer averaging improvement +Blum, D. 5=5614, Chromium-52 electron scattering +Blum, F. A., Jr 5=9174, Melting curves of S, Se and Te Blum, F. A., Jr. + 5=15339, Group VI B under pressure. II Blum, L. 5=7795, Density matrix systems. II

Blum, L. 5=15613, Gaseous chemical reactions +Blum, P. L. 5=12020, Polymorphism of powdered U Blum, R. 5=13335, Ideal magnetosphere +Blum, S. 5=5009, Effect of temperature on GaAs lasers Blum, W. + 5=5298, Search for fractionally charged particles +Blumberg, H. 5=5553, Gamma-decay of 1174 keV Yb172 +Blumberg, L. 5=8696, Fission fragment anisotropies Blume, R.J. + 5=261, Reproducible magnetic field sweep Blume, S. 5=10564, Broad band slit dipoles +Blumenfeld, G. A. 5=6737, Strength of polymers +Blumle, L. J. 5=13543, Topside sounder records +Blumle, L. J. 5=13547, Variation of topside ionosphere +Blumle, L. J. 5=13548, Topside ionosphere Blyholder, G. + 5=13056, Infrared spectra of surfaces Blythe, A.R. + 5=2954, Rotational de-excitation of D₂ +Blythe, A. R. 5=13154, Energy of reaction products. I Blythe, H. J. + 5=9762, Magnetism of Al alloys +Blyumkina, Yu. A. 5=857, Products of fission of U235 and Pu239 + Boade, R.R. 5=3269, Sound absorption in gases Boade, R. R. + 5=9045, Halomethane gas sound dispersion Boag, J. W. 5=2499, Plane-parallel ionization chamber Boag, J. W. 5=2500, Distortion of field in ionization chamber +Board, P.W. 5=197. Electrochemical effects in thermocouples Boardman, A.D. + 5=6543, Specific heats of alloys Boardman, A. D. 5=6782, Dipole scattering in semiconductors Boardman, F. D. 5=9522, Measurements of creep in springs +Bobashev, S. V. 5=930, Excitation of H atoms +Bobashev, S. V. 5=11422, Excited states of H atoms Bobetic, V. M. 5=3986, U.S. attenuation in superconductors Bobin, J. L. 5=862, Acceleration of thermonuclear reactions Bobovich, Ya. S. + 5=15020, Structure of pyroceramics +Bobro, Yu. G. 5=1253, €-phase in Fe-Al-C alloys Bobroff, D. L. 5=8048, Laser cavity modes +Bobrov, A. V. 5=6186, Raman spectra of dienes Bobrov, A. V. + 5=13023, Raman intensities of powders Bobrov, V. D. + 5=14428, π and μ meson separation Boca, I. + 5=8634, Li⁷(p, α)He⁴ reaction at 3.2-5.3 MeV +Bocciolini, M. 5=11298, γ-disintegration of Si²⁸ Boček, M. + 5=3836, Work-hardening of Cd Boček, M. + 5=3885, Plastic deformation of Cd-Zn. II Boček, M. + 5=6733, Workhardening of magnesium Bochagov, B. A. + 5=8693, \mathbf{U}^{238} fission by 26.5 MeV $\boldsymbol{\alpha}$'s Bochkova, O. P. + 5=3102, HF discharges in inert gases Bochin, V. P. + 5=826, Scattering of deuterons on Ni and Zn Bochin, V. P. + 5=12045, Cr. Fe foils preparation Böck, R. + 5=5421, Evidence for $(K\pi\pi)$ resonance Bock, R. + 5=5532, Excitation of the $7/2^-$ level in Cr^{53} +Bock, R. 5=11119, YY production Bockasten, K. 5=897, F-series of Cs I. +Bockelman, C.K. 5=837, Deuteron scattering and (d, p) reactions +Bockelman, C.K. 5=5657, Neutron capture in Cl, V, Mn, and Co +Bockmann, K. 5=8450, Exchange in π^* p \to p $\pi^*\pi^0$ at 4 GeV/c +Bockris, J. O'M. 5=3325, Diffusion of Na²² in NaNO₂ +Bocquet, M. 5=6411, Properties of oriented pyrolytic carbon Bode, H.J. + 5=1309, Gas-phase Nb_sSn +Bodé, L. R. 5=7526, Polar winter mesosphere +Bodenstedt, E. 5=5553, Gamma-decay of 1174 keV Yb¹⁷² +Bodenstein, P. 5=9331, Diffraction pattern of carbon Bodmer, A. R. + 5=445, Three-body systems Bodmer, A. R. + 5=14460, p-Shell hypernuclei Λ -N Bodnar, Z. + 5=13050, Glass heterogeneity measurement +Bodt, H. 5=4923, Beam-plasma interaction in t. w. t. +Boehm, F. 5=8555, Tm¹⁸⁹ e.m. properties +Boehm, F. 5=11240, Coriolis coupling in nucleus W183 +Boehm, F. 5=11277, γ -rays following Ta^{183,183} decay +Boella, G. 5=11146, Cosmic-ray electron flux Boer, F. P. + 5=11496, Extended Hückel and Hartree-Fock theories Boerboom, A. J. H. + 5=6208, Thermochemistry of antimony Boersch, H. + 5=2222, Transparency of films to electrons Boersch, H. + 5=2275, Oscillations in optical resonators Boersch, H. + 5=3618, Elastic diffraction of electrons +Boersch, H. 5=3952, Radiation from Ag targets Boersch, H. + 5=4914, Polarized electron beams Boersch, H. + 5=14611, Atomic electron excitation oscillator strengths Boeschoten, F. 5=3150, Plasma diffusion across magnetic field +Boesman, E. 5=12989, Spin-lattice relaxation in Cs₂ZrCl₆ +Boesman, E. 5=15614, Reduction of alkali halides Boettner, R. C. + 5=9539, Fatigue crack formation

Boffi, V. C. + 5=11043, Slowing-down of neutrons by mixtures

```
+Bogatov, P.N. 5=11952, Alloy evaporation and condensation
Bogdan, D. + 5=5569, \beta-transitions of odd-A nuclei
Bogdan, D. 5=8524, First-forbidden nuclear transitions
Bogdan, D. 5=14494, β-transitions of odd-A nuclei
+Bogdankevich, O. V. 5=8057, Electron-excited CdS laser
+Bogdanov, A. A. 5=1743, Domain structure in magnetite
+Bogdanova, L. P. 5=15482, Ferromagnetic resonance in VIG
Boggess, A., III. 5=7567, B star colours
Boggio, J. E. + 5=3647, Electron diffraction of (110) Ta
Boggio, J. E. + 5=13158, Formation of TaO (111) on Ta (110)
Boggs, J. E. 5=969, NO<sub>2</sub>, N<sub>2</sub>O<sub>4</sub> dipole moments and polarizabilities
Bøgh, E. + 5=3784, Extinction of (p, \gamma) in crystals
Bogoliubov, N. N. + 5=2055, Classical and quantum systems
Bogoroditskii, N. P. + 5=4071, Conductivity in solid dielectrics
Bogoroditskii, N. P. + 5=15390, Formation of electret state
Bogorodskii, V. V. 5=15164, Elastic moduli of ice
+Bogoslovskaia, E. I. 5=9213, Zn<sub>2</sub>SiO<sub>4</sub>-Fe<sub>2</sub>SiO<sub>4</sub> solid solutions
+Bogoslovskii, V. N. 5=6539, Thermodynamics of ferrite mixtures
Bogoslovskii, V. N. + 5=7171, Mg-Mn-Fe ferrite properties
Bogui, V. 5=2494, Velocity of discharge in GM counter
Bogui, V. 5=5252, Geiger filament discharge speed
Boguslavskii, S. G. + 5=15649, Subantarctic current in Atlantic
Bohatiel, T. 5=1038, Electronic torch
+Bohlin, J. D. 5=13777, Corona from balloon
+Böhm, A. 5=5320, Neutrino interactions
Bohm, G. + 5=5390, \pi^- + N at 7.5 GeV
Böhm, H. 5=7979, Penning ion source
+Bohm, H.V. 5=186, Transfer of liquid helium
Böhm, K.H. + 5=15801, Atmospheres of central stars
Böhme, H. 5=9881, Reflection from metallic films
Bohn, J. L. + 5=13933, Acceleration by exploding wires
+Böhnel, H. 5=15153, Plastic deformation of Cu
Bohun, A. + 5=9889, Absorption of alkali halides
Bohun, A. + 5=9962, Luminescence of irradiated alkali chlorides
+Boiko, B. T. 5=6848, Resistivity of Ag films
+Boiko, B. T. 5=12652, Ag film magnetoresistance
+Boiko, G. A. 5=9241, Self-cleaning of metals
+Boiko, I. I. 5=12574, Conduction in a. c. magnetic field
Boiko, I. I. 5=15252, The width of combined resonance bands
+Boikov, G. P. 5=166, Asymmetric heat conduction
Bois, P. + 5=7460, Impulsional seismogram
Boischot, A. 5=4580, Radioastronomy of supernova remnants
Boischot, A. + 5=15816, Spectra of radio sources
+Boivin, M. 5=5540, Nuclear photoactivation of indium
+Bójko, I. 5=9746, Electron emission into gaseous atmosphere
Bok, B.J. 5=4608, Large cloud of magellan
+Bokov, V.A. 5=9328, Bi<sub>2</sub>O<sub>3</sub>-metal<sub>2</sub>O<sub>3</sub> structure
Bokros, J.C. + 5=6701, Mechanical properties of carbon
Bokshtein, S. Z. + 5=12098, Growth of sapphire crystals
Bokut, B, V. + 5=13016, Reflection and refraction of light by
     crystals
Bol, K. 5=3228, Fluctuations Etude stellarator
Bol, K. + 5=7740, Fourier analyser for space harmonics
+Boldyrev, V. V. 5=9685, Electrical conductivity in permanganates
 +Bolgoshein, B. A. 5= 10931, Coincidence anticoincidence
Bolgov, I.S. + 5=1265, Phase transformations in Co
Bolgov, I. S. + 5=6351, Etch figures on nickel
 +Bolgov, I.S. 5=6744, Effect of boron upon properties of nickel
Bollenrath, F. + 5=1526, Lattice deformation of iron
 +Bolling, G. F. 5=14917, Segregation in tin alloys
 +Bollinger, L. M. 5=819, Neutron resonances of Se
 Bollini, C. G. + 5=7720, Reduction formula
 Bolotin, A. + 5=5737, Atomic field-perturbation theory
 +Bolotin, A. 5=14652, The benzanthracene molecule
+Bolotin, A. B. 5=5153, Clebsch-Gordan coefficients
 +Bolotin, H. H. 5=724, Decay of ^{121}Te, ^{121m}Te Bolotin, H. H. 5=5541, \mathrm{Sn}^{116} levels by decay of \mathrm{In}^{116m}
 Bolotin, H. H. 5=5542, Level structure of Sn116
 +Bolotin, L.I. 5=517, 1 MeV H<sub>111</sub>-wave linac
 +Bolotov, A. A. 5=14214, Raster cine cameras
 Bolotov, V. N. + 5=10940, Shower efficiency of spark chamber
+Bol'shov, V.I. 5=2850, Kinetic energy of fission fragments
Bol'shov, V.I. + 5=2852, Spontaneous fission of Cm<sup>244</sup>
Bol'shova, K.M. + 5=1758, Magnetic anisotropy in Mn-Fe ferrite
 Bolstad, D. A. + 5=3831, Stresses in Al, Ti and steel alloys
 Bolt, B. A. + 5=13197, Phases PKiKP and PKIIKP
 Boltaks, B. I. + 5=3716, Diffusion of Au in InSb
Boltaks, B. I. + 5=9420, Diffusion in thermoelectric materials
 Boltaks, B. I. + 5=12322, Diffusion of Zn in GaAs
 Boltaks, B. I. + 5=15077, Ag diffusion on Si
 Bolton, H. C. + 5=10579, Kronig-Kramers relations in n.m.r.
Bolton, J. R. 5=3053, ESR of the o-xylene negative ion
```

```
Bolton, J. G. + 5=4615, Oh near galactic centre
 +Bolton, J. R. 5=11606, Spin densities in free radicals
Bombré, F. + 5=7388, Electroluminescence of CdS
Bomke, H. A. + 5=15764, 1962 Johnstone Island nuclear tests
Bomko, V. A. + 5=516, H<sub>111</sub>, accelerating system
Bomko, V. A. + 5=517, 1 MeV H<sub>111</sub>-wave linac
Bonaccorsi, R. + 5=5842, Atomic orbitals for H<sub>2</sub>
Bonalumi, R. 5=11389, Neutron first-collision probabilities
Bonanno, F.Ramon. See Ramon Bonanno, F.
Bonazzola, S. 5=4735, Gravitational radiation
Bonazzola, S. 5=10241, Taub's energy-momentum tensor
Bonch-Bruevich, V. L. 5=12569, Recombination of electrons
Bonch-Bruevich, V. L. + 5=15532, Absorption of light in semi-
+Bond, A. P. 5=15159, Stress corrosion cracks in brass
Bond, F.R. 5=4486, Auroral rays
Bondar, L. 5=8450, Eurorai rays +Bondar, L. 5=8450, Exchange in \pi^+ p \rightarrow p \pi^+\pi^0 at 4 GeV/c Bondarenko, I. I. + 5=5706, Neutron propagation in UC
+Bondarenko, I. I. 5=8712, Fast reactor with Th screen
 +Bondarenko, L. N. 5=10414. Nsec e-pulse generator
Bondi, H. 5=55, Massive spheres in general relativity
+Bondouk I. 5=2813, The reaction Li<sup>7</sup>(p, α)He<sup>4</sup>
Boneff,N[Ed.] + 5=13628, XIIIth International Astronautical
Congress. I, II
Boner, C. P. + 5=7842, Feedback in sound systems
 +Boner, C. R. 5=7842, Feedback in sound systems
 Bonera, G. + 5=6200, Spin-lattice relaxation in liquids
Bonera, G. + 5=0203, Electric-field gradients in liquids
Bonera, G. + 5=9156, D<sub>2</sub> quadrupole coupling in liquids
Bonfield, W. + 5=12484, Initial micro-yielding of Be
Bonfiglioli, G. + 5=8113, Optical spectroscopy
 Bonfiglioli, G. + 5=13129, Cu electroluminescence in ZnS
 +Bongers, P. F. 5=7218, Co<sup>2+</sup> e.s.r. in Cs<sub>3</sub>CoCl<sub>5</sub>
+Bonham, R. A. 5=5838, Molecular structure by electron
       diffraction
 +Bonham, R. A. 5=8787, Electron diffraction structure studies
 Bonham, R. A. 5=11491, Nonbonded force constants
Boni, M. + 5=9954, X-ray luminescence in alkali halides
 Bonitz, M. + 5=7061, Pre-pulse in photomultiplier
Bonitz, M. + 5=9754, Time behaviour, photomultipliers
 Bonitz, M. + 5=9755, Prepulses in photomultipliers
 Bonjour, E. + 5=15139, Annealed Al energy release
 +Bonnefille, R. 5=14042, D.C. motor without commutator
Bonnelle, C. + 5=3920, 2p \rightarrow 3d transitions in NiO. II +Bonner, T. W. 5=5684, B<sup>10</sup>(He³, p\gamma15. 1)C<sup>12</sup> and C<sup>13</sup>(He³, \alpha\gamma15. 1)C<sup>12</sup>
 +Bonner, W. A. 5=7189, Magnetism of transition metal tungstates
 Bonner, W. A. + 5-14978, Growth of K tantalate-niobate for optics +Bonnier, E. 5-14833, Al activity in liquid alloys
 Bonnor, W. B. 5=10117, Gravitational collapse
 Bonometto, S. A. 5=5221, Coupling of vector mesons
 +Bontschev, L. 5=12711, Semiconductor dielectric properties
Booker, G.R. + 5=1653, Small particles in silicon
+Booker, G.R. 5=12137, Epitaxial Si layers growth
Booker, G.R. + 5=12138, Epitaxial Si layers
 Booker, G. R. + 5=12139, Epitaxial Si layers
 +Booker, H. G. 5=13310, L. F. waves in ionized atmosphere
 Boomsliter, P.C.+ 5=148, Requirements for tonal function
 +Boon, J. P. 5=14823, Ar-O2 and CH4-CD4 fluidities
  +Boonstra, A. H. 5=4027, Influence of chemisorption on Ge
 Boorstein, S. A. + 5=942, Zero-field splittings. IV.
 Boos, E. G. + 5=5338, 19. 8 GeV/c p's in emulsion
 +Boos, F. L., Jr. 5=11300, Electron scattering calculations
Booth, E.C. + 5=776, Nuclear resonance fluorescence
 Booth, J. G. 5=9791, Magnetic susceptibility of Cr alloys
 Borcherds, P. H. + 5=12682, Abrikosov vortices in super-
        conductors
 Borchers, R. R. + 5=5622, p-Bombardment of thick targets
  +Borchers, R. R. 5=14532, Neutrons from B^{11}(p, n)C^{11}
 Borchi, E. + 5=2626, Muon absorption in liquid H
 Borchi, E. + 5=2824, Muon absorption by a nucleus
  Borchi, E. 5=11351, Radiative muon capture
  Borchi, E. + 5=14270, Boson resonances
 +Bordarier, Y. 5=11441, Structure of spectrum of osmium Bordelon, D. J. 5=13943, "Reception characteristics" comments +Bordner, C. A. 5=5398, \pi^-+p\to\eta^\circ+n to 1151 MeV
 +Bordner, C. A. 5=14434, \pi^- p charge exchange Bordulya, A. P. + 5=2614, Neutrons from reaction D(d. n)He<sup>3</sup>
  +Boreli, F. M. 5=8668, The N<sup>14</sup>(d, \alpha)C<sup>12</sup> reactions at 1 MeV
 Borelowski, Z. + 5=8219, Bipoint model of elementary particle +Borenstein, S. R. 5=11119, ΥΥ production Borets, A. N. + 5=13055, Optical properties of In<sub>2</sub>Se Borggreen, J. + 5=5692, C<sup>12</sup>(C<sup>12</sup>, α)Ne<sup>20</sup> cross section
```

```
+Borghini, M. 5=4262, Dynamic polarization
Borik, F. + 5=12444, Rolled sheet elasticity
Borisevich, N.A. 5=2939, Excited states of vapour molecules
Borishanskii, V.M. + 5=1180, Heat transfer during flow of Na
Borishanskii, V.M. + 5=10362, H<sub>2</sub>O boiling heat transfer
Borisoglebskii, L.A. 5=2731, Deformation reduced E0 conversion
Borisov, A. Yu. 5=15425, Photomultiplier transmission time
Borisov, S. V. + 5=6485, Crystal structure of uklonskovite
+Borisov, S. V. 5=9315, Crystal structure from Patterson peaks
Borisov, V. A. + 5=10949, High-power pulse modulators
Borisov, V. T. + 5=1437, Diffusion and grain-boundary energy
Bork, A. M. + 5=32, Newton's law and variable mass Bork, A. M. 5=2011, Newton in the classroom
+Borkan. H. 5=6921. Electron mobility in CdS films
Borklund, W.R.B. 5=7696, Nonspattering solder flux
+Borland, R. E. 5=6801, Electronic structure of alloy
+Borle, W. N. 5=4014, Thermoelectric cooling materials
Borle, W. N. + 5=6358, Materials for thermoelectric coolers +Bormann, M. 5=8650, Total neutron cross-sections +Bornemeier, D. D. 5=728, Nuclear transitions in Cs<sup>133</sup> +Bornemeier, D. D. 5=2755, Au<sup>197</sup> nuclear transitions
+Borodkina, M. M. 5=14993, Magnetic properties of Al-Fe alloys
Borotnikova, M.I. + 5=3294, Gas bubbles in a liquid
+Borovik, E.S. 5=1043, Radiation from Ar arc
Borovik, E. S. + 5=7124, Permeability in Ferroxplana systems
Borovik, E.S. + 5=10399, Hydrogen liquefiers
Borovik-Romanov, A.S. + 5=7205, Antiferromagnetic resonance
       in hematite
Borovyk, E.S. + 5=2152, Counter-flow heat exchangers
Borovyk, E.S. + 5=2153, Liquefaction machines
+Borowitz, S. 5=2713, Finite many-particle system
Borowitz, S. + 5=4712, Off-diagonal matrix elements
+Borowitz, S. 5=8271, Orthogonality constraint and collisions Borreani, G. + 5=2673, K^+\rightarrow e^+ + \pi^0 + \nu decay
+Borreani, G. 5=11107, Branching ratio of \tau' decay
Borrelli, N.F. 5=4307, Faraday rotation in glasses
+Borrelli, N.F. 5=7368, U.V. absorption edge of SnO<sub>2</sub>
Borsa, F. + 5=7269, N.M.R. line shape in powders
+Borsa, F. 5=13008, Knight shift in Sc and Y +Borşaru, M. 5=8634, Li<sup>7</sup>(p, \alpha)He<sup>4</sup> reaction at 3.2-5.3 MeV
 Börsch-Supan, W. 5=7725, Lower bounds to eigenvalues
Borsoukov, A. M. + 5=7533, "Pearls" in conjugated regions
Borst, L. B. 5=7902, Liquid He molecular excitations
 +Borst, M.R. 5=15555, Microwave Faraday effect
+Bortfeld, D. P. 5=4292, Semiconductor reflectivity
+Bortfeldt, J. 5=14387, Exploding wires and plasma
+Bortner, T. E. 5=8943, Ar \alpha-ray ionization
Bortnik, I. M. 5=1037, Corona discharge in He
Bortnik, I. M. 5=5929, Initial voltage for helium discharge
Bortoff, A. 5=8187, Potential responses in retina
 +Bortolani, V. 5=13886, Interacting boson and fermion system
Bortolotti, A. + 5=12562, Temperature and internal friction of Zn Borysowicz, J. + 5=5522, Rotational bands in O^{16}
Borzjak, P. G. + 5=15275, Very thin metal layers
Borzyak, P. G. + 5=15413, Electron emission of Si p-n junction
Borzyak, F. G. 7 3=15410, Electron emission of the first Bosch, F. + 5=14139, Difference frequency signal in maser Bosch, G. 5=4768, Specific heat of quantum oscillators +Bosch, M. C. 5=7638, Spaced-site observations of Jupiter
Bosch, H. E. + 5=737, Conversion coefficients of Pb<sup>202n</sup> Bosch, H. E. 5=8566, K-conversion coefficient of Pb<sup>203</sup>
Bosch, S. H. 5=7064, Secondary electron ejection from Mo
Boschitz, E. T. + 5=2840, Scattering by Ar<sup>40</sup>, Ar<sup>38</sup>, S<sup>32</sup>, Si<sup>28</sup> and O<sup>16</sup>
Bosco, B. + 5=393, Exchange currents
Bosco, B. + 5=10777, Errata: d-disintegration
Bosco, B. + 5=11308, Errata: Nuclear processes. I
Bose, A. + 5=7222, g-Tensors in Cu salts
+Bose, S. C. 5=15643, Deformation in earth model
Bose, S. K. 5=7465, Vertical component of Lg and Rg
 Bose, S.K. 5=13207, Lg-waves in crust
Boserup, A. 5=5372, Search for mesons from 640 to 940 MeV
Bosgra, S.J. + 5=8336, Star measurement in emulsions
Bosi, G. 5=14392, High luminosity compton spectrometer
Bosio, L. + 5=1266, Metastable phases of Ga
Bosio, L. 5=12496, Density of solid \gamma-Ga
Bosnell, J. R. + 5=7080, Cd De Haas-Van Alphen oscillations
+Bostanjoglo, O. 5=2222, Transparency of films to electrons
Bostanjoglo, O. 5=6827, Film electron transparency
+Bostanov, W. 5=9286, Ag(111) planes electrolytic crystallization
 +Bostick, F. X. 5=13613, Micropulsation activity
+Bostick, F. X., Jr. 5=13460, Plane waves in ionosphere
Boston, C. R. + 5=8125, Furnace on spectrophotometer
+Bostrom, C. O. 5=14453, Albedo neutrons in space
+Boström, L. 5=9206, Electric quadrupole interaction
```

```
Boström, R. 5=11140, Geomagnetic effects on cosmic radiation
Boström, R. 5=13399, Model of auroral electrojets
Boswarva, I. M. + 5=9421, Polarization of defect pairs
Botch, W. + 5=6084-5, Heat capacity and sound absorption of
gas in critical region
+Bothner-By, A. A. 5=4981, Least-squares analysis of n. m. r.
+Bothner-By, A. A. 5=8894, Spin coupling in ethyl derivatives
+Bothner-By, A. A. 5=11588, Spin coupling between H atoms
Botovik, E.S. + 5=13996, Hydrogen liquefiers
Bottema, M. + 5=7641, Composition of clouds of Venus
Bottema, M. + 5=13749, Water in atmosphere of Venus
Böttger, O. + 5=8354, H ion decay in cyclotron
Bottinelli, L. + 5=10149, Rosette nebula at 1430, 2315 Mc/s
Bottreau, A. + 5=4952, 35 Gc/s interferometer system
+Boublil, Y. 5=15718, Shock wave effects in upper atmosphere
Bouc, R. 5=10422, Resonator circuit with retangular hysterisis
+Boucher, R. R. 5=14933, Polymorphic transformations in PuAl<sub>3</sub>
+Bouchet, C. 5=1834, Polarizability of OH oscillator in
     Hambergite
+Bouchez, R. 5=5518, Levels of Be7
Bouchez, R. + 5=5655, Be<sup>9</sup> and Be<sup>8</sup> in the Be<sup>9</sup>(n, 2n)
Bouchiat, C. + 5=5195, SU<sub>3</sub> violation in leptonic decay
Bouhuys, A. 5=13959, Sound-power in wind instruments
Bouillon, F. + 5=12104, Form of cadmium crystals
Boukema, J. I. 5=2492, Regge trajectories in potential theory
+Bouleau, M. 5=14964, Selective attack in U alloys
Boullé, A. + 5=13089, K acetyl phosphate i.r. spectra
Bounin, J. + 5=5283, Wire chamber - computer system
Bounin, J. + 5=8312, Digitized spark chamber
+Bounin, P. 5=593, Electroproduction of \pi^{\circ}
Bourdeau, R. E. + 5=13243, EUV radiation and thermospheric
temperature Bourelier, F. \pm 5=9492, Cu polygonised state formation Bourg, A. \pm 5=12048, LaF<sub>3</sub> films structure
+Bourgoignie, J. L. 5=5264, Scintillator electron pulse height
+Bourke, R. C. 5=2335, Atomic absorption spectrophotometers
Bourn, A. J. R. + 5=11600, Double resonance of formamides
Bourrely, C. 5=14225, Bound state impulse cut-off
Bourret, R. 5=10770, Quantised fields as random classical
Boury, A. 5=4560, Scattering opacity for massive stars
Boutillier, A. + 5=14913, Ca segregation in As-13 alloys
Boutin, H. + 5=3513, Water vapor adsorbed on γ-Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub>
+Boutin, H. 5=6513, L.F. molecular vibrations in hexane
Boutin, H. + 5=11985, Motions of H2O molecules in beryl
Boutin, R. 5=6409, X-ray study of pyrocarbon
Boutouyrie, B. + 5=14576, Corrector circuits for a 1.3 GeV/c
     spectrometer
+Boutron-Hartmann, F. 5=9833, Nuclear spin-spin coupling
Bouvier, P. 5=15810, Spherical auto-gravitating systems
Bouwhuis, G. 5=8141, Multi-mirror etalons
Bovet, C. 5=797, Spallation in nuclear emulsions
Bovey, F. A. + 5=1007, NMR of d,,-cyclohexane. II.
Bowden, F. P. + 5=1505, Brittle fracture of solids
Bowden, R. L. + 5=2618, →n-transport in slabs
Bowen, E.G. 5=15834, Planetary tails in solar wind
Bowen, I.S. 5=4533, Hale telescope
Bowen, I. S. 5=10121, Telescopes
Bowen, L. O. 5=1209, Acoustic n. m. r. in liquids
+Bowen, P. H. 5=8424, n-n[d] Total cross-section
Bowen, P. J. + 5=1955, Ion composition of F-region
Bowen, P. J. + 5=7530, Sporadic-E ionization
Bowen, P. J. + 5=13439, Measurement of electron temperature
Bowen, R. M. + 5=7987, Magnetogasdynamic flow: comments
Bowen, T. + 5=8362, Quest for quarks
+Bower, V. E. 5=14805, H<sub>2</sub>O-NaCl-BaCl<sub>2</sub> thermodynamics
Bowers, R. 5=1590, Plasmas in solids
Bowers, R. + 5=9607, Plasma effects in solids
Bowers, R. A. 5=15774, Refraction and satellite tracking
Bowman, C. D. + 5=8692, Subthreshold neutron fission of Am<sup>241</sup>
Bowman, C. R. + 5=8865, Hydrocarbon molecule excitation
Bowman, G. G. 5=10094, Ionospheric high-multiple reflections
Bowman, J. D. + 5=8555, Tm189 e.m. properties
+Bowman, R. M. 5=10319, Fronts in shock tubes
Bowness, C. 5=10592, Efficiency of laser cavities
Bowyer, S. 5=4550, Stellar X-ray emission; letter
Bowyer, S. + 5=7601, X-ray emission from the Crab nebula
Box, H. C. + 5=4171, Absorption of L-cystine dihydrochloride
Box, H. C. + 5=12993, E. S. R. of succinic acid crystals
 Boya, L.J. 5=10812, Time-reversal invariance
+Boyadzhiev, A. V. 5=667, Cascade interactions
+Boyarkina, A. N. 5=14516, Fragmentation theory
Boyd, F. R. + 5=11930, Pressure and melting of MgSiO<sub>3</sub>
```

```
Boyd, G. D. + 5=9893, Second-harmonic light generation
+Boyd, G. D. 5=13058, Optical interactions in LiNbO.
Boyd, G. E. + 5=7446, Radiolysis of LiBrO, by Li<sup>6</sup>
+Boyd, R. L. F. 5=1955, Ion composition of F-region
+Boyd, R. L. F. 5=13439, Measurement of electron temperature
+Boyer, L. 5=6241, Internal field of beryllium oxyacetate
Boyer, R. H. 5=4748, Rigid frames in general relativity
Boyer, R. H. 5=13870, Relativistic rotating fluids
Boyer, R. H. + 5=13871, Kerr metric in general relativity +Boyko, P. N. 5=15865, Interplanetary dust
Boyn, R. 5=1700, Photoconductivity in CdS crystals
Boynton, R. M. + 5=5117, Hue-shift in colour vision
Boynton, R. M. + 5=5118. Hue shift in colour vision
Bozóki, G. + 5=5394, Inelastic two-prong interactions Bozoki, G. + 5=5410, Two-prong \pi -p interactions
Bozóki, G. + 5=11079, π-p interactions at 17.2 GeV
+Bozoki, G. + 5=11079, \pi -p interactions at 17.2 GeV +Bozorth, R. 5=15052, Dy thermal expansion +Brabson, B. B. .5=5398, \pi^-+p\to\eta^0+n to 1151 MeV +Brabson, B. B. 5=14434, \pi^- p charge exchange +Brabson, G. D. 5=11518, U.V. absorption of trapped S<sub>2</sub>
Brace, L. H. + 5=13354, Probe results from Explorer 17
+Bracero, A. V. 5=11809, Thermal conductivity of
     8 halomethanes. I
+Bracewell, R. N. 5=15874, Observations of radio sun
+Brackett, T.E. 5=93489, Specific heat of NaCl
+Brada, J. 5=7405, Luminescence and conductivity of ZnS
+Bradberry, G. W. 5=15593, Edge emission in CdS
Bradfield, G. 5=6529, Acoustic internal damping
Bradfield, W. S. + 5=10379, Miniature temperature probe
+Bradfield, W. S. 5=11794, Gas-supported Puck theory
+Bradford, J. N. 5=2296, Xe flash lamp for laser
 +Bradke, M. v. 5=6124, Excluding pump fluid vapours
 +Bradley, C. J. 5=14999, Lattice harmonics. II
Bradley, D. J. + 5=8114, Time resolved spectrography
 +Bradley, H. D., Jr. 5=10337, Acoustic characteristics of foams
+Bradley, L. T. 5=1885, Photon absorption in naphthalene crystals Bradley, P. A. 5=13292, Spectra of lightning discharges +Bradley, P. A. 5=13297, Spectra of atmospherics from lightning
 +Bradley, R. R. 5=12139, Epitaxial Si layers
Bradley, R. S. 5=6094, Miscellaneous effects of pressure
Bradley, R. S. 5=9218, Solid-solid reactions
 Bradley, R. S. 5=11923, One-component phase changes
 Bradley, R.S. 5=13797, High pressure research
+Bradley, W. F. 5=9347, The crystal structure of alunite
 +Bradner, H. 5=13192, Neutrino and geothermal fluxes
 Bradner, H. + 5=13208, Seismic noise on ocean bottom
 Bradshaw, P. 5=7693, Silenced air pressure control
 Brady, A. H. + 5=13485, Effects in D region
 Brafman, H. 5=14334, Pulse height analyzer
 +Brafman, M. 5=6634, Si surface dislocations
 Brafman, O. + 5=15105, Field inhomogeneities in ZnS
 +Braga, C. L. 5=9127, 'Excimer' fluorescence VI
 Braginskii, S.I. 5=236, Self-excitation of magnetic field
 Braginskii, S. I. 5=7929, Theory of hydromagnetic dynamo
 Braginskii, V. B. + 5=14127, Powers in mm waveband
 Braham, R. R., Jr. 5=10071, Ice in summer rain-showers
 Brahde, R. 5=14185, Slit and spectral line profile
Brahmavar, S.M.+ 5=2765, log ft Values of \beta-transitions Brahmavar, S.M.+ 5=2766, Enhancement in \beta-transitions
 +Braibanti, A. 5=6426, Transmission factors in crystals
 +Braibanti, A. 5=12241, Crystal structure of Bis(hydrazine)zinc
      isothiocyanate
 +Braicovich, L. 5=558, Backscattering of positons Braicovich, L. + 5=14617, \beta depolarization
Brailsford, A. D. 5=3811, Internal stresses in friction
Brailsford, A. D. 5=12377, Dislocation motion. III
Brailsford, A. D. + 5=12657, Resistivity of n-irradiated U
 +Bramblett, R. L. 5=788, Pb and Bi photoneutron cross sections
 Bramley, A. 5=5058, High-power light generation
 Bramley, E. N. + 5=13539, Diffusion in F<sub>2</sub> region
 +Brand, F. A. 5=2278, Optical maser amplification
 Brand, F. A. + 5=10645, Ruby laser oscillators
 +Brand, J. C. D. 5=8870, Internal rotation in p-nitrosodi-
      methylaniline
 Brand, R. P. + 5=14826, Parametrically excited surface waves Brandao, D. E. + 5=11229, Angular correlation in liquids
 +Brandhorst, H. 5=3629, InSb at high pressures
 Brandi, K. + 5=11201, Short lived isomers
 +Brändli, H. P. [Ed.] 5=14144, Proceedings on laser physics and
      applications
 +Brandon, D. 5=3536, Twins in Fe and Fe alloys
 Brandon, D. G. 5=12865, Field evaporated surfaces
 +Brandon, M. K. 5=13223, Reverberation elimination on ships
```

+Brandon, R. L. 5=5899, E.S.R. of charge-transfer complex Brandon, R. W. + 5=4252, E.S.R. absorption in phenanthrene Brandt, A. A. + 5=4094, Polarization of triglycine sulfate Brandt, G. B. + 5=4160, In De Haas-Van Alphen effect Brandt, J.C. 5=13780, Corona and solar wind +Brandt, N. B. 5=6918, Electric conductivity of bismuth Brandt, N. B. + 5=7078, Magnetic susceptibility in bismuth Brandt, S. + 5=2637, Interactions of π^- on protons +Brandt, S. 5=2680, Strange particles production +Brandt, S. 5=5298, Search for fractionally charged particles Brandt, S. + 5=5328, Principal axis of jets +Brandt, S. 5=5400, Resonance production by $\pi + p$ Brandt, W. + 5=2887, Collective effects in atomic spectra Brandt, W. + 5=9892, Proton channeling and X-rays Brandt, W. + 5=14584, Atomic dipole spectra Brandt, W. W. + 5=6599, Diffusion in zeolite Brandt, W. W. + 5=12065, Desorption of He from micas Brandt, W. W. + 5=12319, Diffusion of helium in beryl Brănduş, I. 5=474, Elastically scattered spin particles Brandy, J. H. + 5=4481, Determination of auroral heights Brandy, J. H. 5=4484, Lower borders of auroral bands Brandy, J. H. 5=4487, Auroral N₂ + 3914 Å band Brandy, J. H. 5=8121, Electrometer amplifier for spectrometers Brans, C. H. 5=7776, Geometry of spaces in general relativity Bransden, B. H. + 5=606, Pion-nucleon scattering Brantley, W. H. + 5=2773, Positron spectrum of Na²² +Brantley, W. H. 5=5550, Rotation and vibration in Gd¹⁵⁴ Braslau, N. + 5=15321, Microwave oscillations in GaAs +Brassart, F. A. 5=13153, Ablation of graphite +Bratina, W. J. 5=9468, Dislocations in fatigued iron Bratož, S. 5=8813, I. R. spectra of HCl + X mixtures +Brau, M. 5=5060, Infrared transmitting glasses. II Braude, S. Ya. + 5=4924, Hall cut-off in magnetron +Brauer, H. 5=12804, Cold conducting BaTiO₃ Brauer, W. 5=6779, Electron-electron interaction +Brault, J. W. 5=10644, Stokes' shift in ruby R, lines Braun, E. 5=7789, Statistical mechanics of Brownian motion +Braun, H. 5=2722, Interactions of K-mesons with emulsion +Braun, H. 5=5624, Heavy ions created by protons +Braun, H. 5=8337, Emulsion track length measurement +Braun, H. 5=8340, Trace width in emulsions +Braun, H. 5=8341, Emulsion charge discrimination +Braun, H. 5=8655, Hyperfragments from K^{*}-nuclear interactions Braun, J. 5=3137, He plasma by n-irradiation +Braun, J. 5=5370, Neutron rem counter Braun, M. 5=10388, Temperature measurement with thermistors Braun, S. 5=88, T-matrix singularities Braunbek, W. + 5=10538, Refraction near-field of sector screen Bräunlich, P. + 5=9936, Thermoluminescence of alkali-halides Braunss, G. 5=54, Schwarzschild solution in field theory Braunstein, A. + 5=15360, Tunnel junction barrier shape +Braunstein, M. 5=15360, Tunnel junction barrier shape +Braunstein, R. 5=9927, Electro-optic effect in hexamine +Bray, R. 5=3903, Hot carriers in p-Ge Bray, R. J. + 5=7670, Sunspots Bray, R.J. 5=7684, He D₃ line in chromospheric flares +Brazdžhyūnas, P. P. 5=15318, CdO conductivity in electric field Breare, J. M. + 5=1058, Electron swarms in H Brebner, J. L. 5=7339, Absorption edge in layer structures Brebner, J. L. 5=7340, Optical absorption in GaSe and GaS +Brecher, C. 5=5024, Europium benzoylacetonate laser +Brecher, C. 5=5026, Europium chelate liquid laser Brecher, C. + 5=13084, Eu chelates. III. Spectra Bréchot, S. + 5=2880, Of spectral line broadening. I. Bréchot, S. + 5=8739, Spectral line broadening Breck, W. + 5=10016, Thermoelectric powers of ion Bredbrick, R. F. + 5=6225, Congruently subliming CdTe(c) +Bredel, V. 5=11352, $C^{12}(d,\alpha)B^{10}$ reaction at 9.2-13.8 MeV Breedis, J. F. 5=6300, Martensitic transformations in Fe-Cr-Ni alloys Breeze, J. C. + 5=2977, Intensity measurements of bands of NO Breeze, J. C. + 5=5821, Intensity of vibrorotational bands Brehm, J. J. 5=433, $\mathbf{d}_{\sqrt{2}}$ unitary multiplets Brehm, J. J. + 5=434, $\mathbf{J}^{\mathrm{P}}=\sqrt[3]{}^{-}$ nonuplet Breiland, J. G. 5=13235, Atmospheric \mathbf{O}_{3} vertical distribution Breit, G. 5=8608, Definitions of compound states Breitenecker, M. + 5=6912. Effective mass approximation Breitschwerdt, K. G. 5=15352, Diffused P—N junctions Breivik, F. O. + 5=8656, Disintegrations emitting heavy fragments Breivogel, F. W., Jr. + 5=11511, Microwave spectra of 6Li127I +Breivogel, F.W., Jr. 5=2971. Microwave and r.f. spectra of LiBr Brekhovskikh, V.F. 5=155, Total emissivity of germanium Brekhovskikh, L. M. 5=4804, Sound propagation in waveguides

```
Bremmer, H. 5=10224, Geometrical optics and scattering
Bremond, B. 5=2064, Hartree-Fock degenerate cases
Brene, N. + 5=455, Cabibbo weak currents
+Brenet, J. 5=7423, Transformations of Mn(NO<sub>3</sub>)<sub>2</sub>
Brennan, J. G. + 5=5454, Low-energy d + d variation
 +Brennemann, A. E. 5=15627, Electrochemistry of Si-SiO<sub>2</sub> films
+Brenner, A. E. 5=5398, \pi^- + p \rightarrow \eta^\circ + n \text{ to } 1151 \text{ MeV}
 +Brenner, A. E. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV
+Brenner, A. E. 5=11019, N_{33}^* (1238), \rho^\circ production
+Brenner, A. E. 5=14434, \pi^\circ p charge exchange
Brenner, S. S. 5=3539, Field evaporated Ir
+Brennert, G. F. 5=9285, Preparation of rhenium crystals
 Brentnall, W. D. + 5=12512, Microyielding
Bresesti, M. + 5=2781, L/K ratios in Xe<sup>127</sup> decay
Bret, G. + 5=4993, Stimulated phonons or photons
 Bret, G. 5=11890, Raman scattering at high intensities
 Breton, C. + 5=14696, Reabsorption and H ionization in dis-
      charges
Bretonneau, P. + 5=10952, 4 MeV accelerator output
Brettell, J. M. 5=7276, Co<sup>59</sup> n.m.r. in alloys
Brewer, D. F. + 5=10397, Low temperature physics conference
Brewer, D. F. + 5=12293, Specific heat of V<sub>10</sub>Fe<sub>90</sub>
 Brewer, L. + 5=11518, U.V. absorption of trapped S
Brewer, R.G. 5=1184, Raman scattering and absorption in liquids
Brewer, R.G. 5=3339, Brillouin light amplifier
 Brewer, R. G. + 5=9111, Brillouin scattering in liquids
 Briat, B. 5=7311, Paramagnetic rotary dispersion
Briat, B. 5=14849, Rotary magnetic dispersion of lanthanides
 Brice, J. C. + 5=10196, Evaporation source for Ni-Fe
 Brice, J. C. + 5=10208, Film thickness measurement
 Brice, J. C. + 5=15456, The coercive force in permalloy thin
      films
 +Brice, N. 5=11705, Propagation in multicomponent plasmas
 Brice, N. 5=13302, V. L. F. generation mechanisms
 Brice, N. 5=13303, V. L. F. maximum duration
 Brice, N. 5=13304, Diurnal variation of chorus
 +Brice, N. 5=13305, Whistler-mode group delays
 Brice, N. 5=13308, Multiphase periodic v. l. f. emissions
 +Brice, N. 5=13449, Triggered v.l.f. from ionosphere
 +Brice, N. M. 5=7541, Ion gyrofrequency observed in satellites
 +Brickwedde, F. G. 5=2173, 1962 3He scale
+Bricout, P. 5=4462, Wind velocity measurements
+Bridenbaugh, P. M. 5=1844, Electro-optic properties of LiNbO<sub>3</sub>
 +Brient, S. J. 5=14029, Multikolovolt pulse generator
Brière, Y. + 5=9992, Fluorescence of zircons
 +Briffaut, J. P. 5=12152, Semiconductor surface dipole layer
 Brigg, P. H. 5=7706, Litre
 Briggs, A. + 5=9443, Bend zones in MgO
 Briggs, B. H. + 5=13646, Variations of satellite scintillation
 +Briggs, M. 5=4021, Surface measurements on GaAs
 Briggs, R. J. 5=2024, Transformation of energy
+Bright, N. F. H. 5=14874, Au-Bi-Te system
 Briglia, D. D. + 5=14698, H2 ionization by electron impact
 +Brikker, S.I. 5=590, Generation of \pi^{\circ}-mesons
 Bril, A. + 5=7383, N.B.S. standard phosphors
+Bril, A. 5=9938, Fluorescence of Tb: alkaline earth borates
 Bril, A. + 5=9950, Fluorescence of Eu phorphors
 Bril, A. + 5=13112, Eu-activated phosphors
 Brill, D. R. 5=4747, General relativity
 Brill, O.D.+ 5=670, Light neutron nuclei
Brillouin, L. 5=4716, E = mc<sup>2</sup>
 Brillouin, L. 5=4739, Potential energy mass
 +Brinen, J.S. 5=5885, Photoluminescence of lanthanide
 complexes. III.
+Brinen, J. S. 5=8127, Temperature cell for a spectrophotometer
Brink, D. M. + 5=9646, Impurities and superconducting transitions
 Brinkman, G. A. + 5=8570, Standardization with NaI(T1)
Brinkman, G. A. + 5=14490, Standardization with NaI(T1). V
 Brinkman, J. A. 5=3780, Fission damage in metals
 Brinkmann, D. 5=7288, Xe^{129} n.m.r. shift +Brion, J. 5=5854, Emissions from P_2
 +Brissette, L.A. 5=3449, Grain growth in magnesia +Brisson, V. 5=11121, \beta-decay of \Lambda
 Brissonneau, P.+ 5=7127, Si-Fe Weiss domains
 Brissot, M. J. J. + 5=6387, CaWO<sub>4</sub> for lasers
Britt, A. D. 5=4385, Reaction of Wurster's blue
  +Brittain, J.O. 5=6722, Strain hardening of iron alloys
  Britton, D. + 5=12225, Crystal structure of silver cyanate
  +Britton, D. 5=12253, Crystal structure of p-iodobenzonitrile
  +Brix, P. 5=4916, Electron scattering below 60 MeV
  Brix, P. + 5=14904, Isomer shift on Eu<sup>151</sup>
  Brixner, L. H. + 5=9952, Luminescence of rare earth vanadates
 Brocas, J. 5=13876, Approach to equilibrium
```

```
+Brock, A. 5=13620, Paleomagnetism of Shawa ijolite
+Brock, A. 5=13622, Paleomagnetism of ring complexes
+Brock, J. C. F. 5=10389, Au-0.03 at. % Fe thermoelements
Brock, J. R. 5=3146, Temperature of a particle in a plasma
Brockes, A. 5=2317, Mie theory of coloured pigments
+Brockhouse, B. N. 5=15037, Lattice vibrations of W
+Brockhurst, R. 5=4438, Deep-water transmission paths
Brocklehurst, B. 5=6093, Luminescence of gases. I.
Horokmeier, R. T. + 5=14502, A new nucleide europium 143
Brockmeier, R. T. + 5=11240, Coriolis coupling in nucleus W<sup>183</sup>
Brockwell, P. J. 5=14294, Generalized one-dimensional
     scattering
+Brodale, G.E. 5=7185, Magnetothermodynamics of MnCl<sub>2</sub>
+Brodale, G.E. 5=7186, Moment and susceptibility of MnCl
+Brodale, G.E. 5=9383, Thermodynamics of MnCl<sub>2</sub> in 100kG field
Brode, W. R. 5=2002, Physical science in school
Brodkorb, W. + 5=12892, Ferromagnet anisotropy constants
Brodkorb, W. + 5=12898, Thin film ferromagnetism
Brodsky, M. B. 5=12649, Hall effect in Pu
Brodsky, M. B. + 5=15282, Resistivity of α-Pu
Brodwin, M. E. + 5=10526, Perturbation of cavity resonators
Brodwin, M. E. + 5=13052, Ge, Si microwave Faraday rotation
Brody, T. A. + 5=5176, Clebsch-Gordan coefficients of SU,
Brody, T. A. + 5=5271, 4\pi counters for low activities
+Broek, H. W. 5=5683, Shell-model in Ti (\alpha, \alpha') reaction
Broek, H. W. + 5=11364, α-Ni<sup>58</sup> scattering
+Broekaert, P. 5=9853, R. F. pulses on solid spin system
Broer, L. J. F. 5=10648, Non-linearity and dispersion in waves
+Broersma, S. 5=337, Piezo-Faraday effect
+Broersma, S. 5=6060, Force on stationary sphere
Brogden, T. W. P. 5=14416, Polarization work at Harwell
 +Broida, H.P. 5=2951, Microwave transitions in CN
+Broida, H. P. 5=11629, Microwave discharge cavities
Brojdo, S. + 5=12782, Solid state heterojunction triodes
Brokaw, R. S. 5=9042, Viscosity, thermal conductivity of gases. II
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+Bromberg, N.S. 5=2270, ESR spectrometer design
 +Bromley, D. A. 5=5677, Ne<sup>20</sup> (d, p, \gamma) Ne<sup>21</sup> reaction
 Bron, W. E. + 5=4320, Rare-earth ions in alkali halides. I
+Bronco, C. J. 5=10663, Focal isolation systems
 +Bronde, C. 5=8591, Lifetimes of 20Ne
+Bronisz, S. E. 5=14994, Recrystallized, cold-worked \alpha-U Bronk, B. V. 5=7721, Density of matrices and zeros of polynomia
 Bronk, V, 5=10267, Random matrices
 +Bronshtein, A. M. 5=12859, Electron multiplier for mass-
      spectrometer
 Bronshtein, I. M. + 5=12860, Secondary electron emission
Bronshtein, I. M. + 5=15199, Electrons in solids
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 +Brook, M. 5=13293, Intracloud lightning discharge
Brook, M. + 5=13296, Radiation from lightning, 400-1000 Mc/s
Brooker, G. A. 5=14002, Acoustic impedance of liquid He<sup>3</sup>
+Brooks, C. R. 5=13990, Thermocouple circuit for calorimetry
+Brooks, D. A. 5=3440, Homogeneity of CdS-CdSe
 +Brooks, G. H. 5=14128, Microwave cavity
+Brooks, H. 5=1577, Alkali-metal conduction e.s.r.
+Brooks, H. 5=5361, Neutron transport theory
+Brooks, N. B. 5=2232, Scattering in neutral atoms
 +Brooks, N. B. 5=5289, Gases for neutral beam injectors
 +Brooks, N. B. 5=7981, H-ion beam equilibrium fractions
 +Brooks, N. B. 5=8905, Neutral beam injectors
 +Brooks, N. B. 5=10507, Equilibrium fractions for O
 +Brooks, N. B. 5=14081, Water vapor jet target
Brooks, P. R. + 5=1016, Molecular beam detector
 +Brooks, S. D. 5=1504, Tension-compression fatigue machine +Broom, K. M. 5=11270, Decay of \rm Eu^{157} and \rm Tm^{174}
 Broom, R. F. 5=8062, Pulse generator for GaAs lasers
 +Brophy, J. H. 5=14930, Mo-Ir constitution diagram
 +Brophy, J. H. 5=14936, Ta-Zr phase diagram
 +Brophy, V. 5=5026, Europium chelate liquid laser
 +Brophy, V. A. 5=5024, Europium benzoylacetonate laser
Brose, M. 5=822, Absorption of neutrons in Au foils
 Bross, G. A. 5=9787, Properties of isotropic ferromagnetic
 Bross, H. 5=6775, Electron state calculation
 Bross, H. 5=6783, Electron-phonon interaction
 Brossard, J. + 5=3143, Thermodynamics of plasmas
Brossier, G. + 5=9005, Stability of plasma
 +Broszkiewicz, R. 5=7450, Chemical changes in \gamma-irradiation
 Brothers, B.G. + 5=1507, Study of wear
 +Broude, C. 5=546, F^{19}(d, n_{\gamma})Ne^{20} pulse discrimination
 Broude, C. + 5=715, E3 transition in Ne^{20} Broude, C. 5=8346, Computer for tandem accelerator
```

```
Broude, C. 5=10886, Low energy data reduction
Broude, V. L. + 5=1823, Exciton spectra of mixed crystals
 Broude, V. L. + 5=10608, Fluctuations of laser emission
 Brouers, F. 5=1830, X-ray emission spectra
 Brouers, F. + 5=6818, Electron gas behaviour
 Brouers, F. + 5=15256, Positron annihilation in metals
 +Brout. R. 5=85. N bosons problem
+Brout, R. 5=429, Broken symmetry
 Brout, R. + 5=11957, Crystals at high temperatures
+Brout, R. 5=12659, Mechanism of superconductivity
Brouwer, G. P. 5=7889, Electronic pyrometer
 +Brovetto, P. 5=8113, Optical spectroscopy
Brown, B. E. + 5=6471, Polytypism of Nb and Ta selenides
Brown, C. + 5=1530, Magnesium-Aluminium-Silicon alloy
Brown, C. J. 5=12171, X-ray analysis conference
Brown, D. B. + 5=556, Archard electron diffusion model
Brown, E. N. 5=13265, Radar bright band and shower
+Brown, F. 5=755, Krypton-81 half-life
+Brown, F. 5=1491, Ion penetration into W
+Brown, F. 5=12317, Release processes targets
+Brown, F. C. 5=7319, Alkali halide F-centre properties
Brown, G. C., Jr. 5=4361, Fluorescence lifetimes of ruby
Brown, G. M. + 5=6439, Neutron diffraction at Oak Ridge
Brown, G. M. + 5=6442. Three-dimensional neutron diffraction data
Brown, G. M. [Ed.]. 5=15715, Radio science. III. Ionosphere
Brown, H. 5=13721, Planetary systems associated with stars
+Brown, H. H. 5=2920, Scattering of K by He, Ne, Ar, Xe, and H,
Brown, I.D. 5=9350, Crystal structure of K2TeBr6
Brown, I. M. + 5=8877, E. S. R. of metal chelates
+Brown, J. 5=13328, Rocket-borne mass spectrometer
      measurements
Brown, J.A., Jr. 5=4457, Tropospheric diabatic heating +Brown, J.C. 5=2211, Magnetic field code
Brown, J. S. 5=12272, Solid Ne and Xe vibrations
Brown, K. L. 5=14064, Magnetic optics of magnet. I
Brown, L. M. 5=588, Meson mass regularity
Brown, L. M. + 5=618, Decay of \eta\pi\pi resonance
Brown, L. M. 5=9457, Dislocations and extended nodes
Brown, L. M. + 5=12492, Strain around bubbles in solids
+Brown, M. E. 5=3798, Irradiated KMnO4
Brown, M. E. + 5=5899, E.S.R. of charge-transfer complex
Brown, M. R. 5=10574, Coherent radiation less than 1 mm
+Brown, P. J. 5=4198, Neutron study of hematite
Brown, P.J. + 5=7069, Polarized neutron diffractometry
+Brown, P.J. 5=9823, Magnetic structure of FeGe<sub>2</sub>
Brown, P.J. + 5=12169, Spherically symmetrical form factors
+Brown, P.J. 5=15475, Magnetic structure of CuSO<sub>4</sub>
+Brown, R.D., III. 5=1594, Cyclotron resonance in Bi-Sb alloy
+Brown, R.J.S. 5=3362, Nuclear polarization of liquids
Brown, R. L. + 5=2968, Energy transfer in I fluorescence
Brown, R. L. + 5=5848, B 3 IIn+4 state of iodine
Brown, R. M. + 5=7739, Tabulation of semiconductor integrals
Brown, R. R. 5=13380, Aurora and solar cosmic rays
Brown, R. R. 5=13384, Auroral absorption events
Brown, R. R. 5=13427, Varying ionospheric absorption
+Brown, R. R. 5=13431, Solar flare \alpha and PCA Brown, S.D. + 5=6687, Strength-porosity relation Brown, S.G. + 5=2628, Decay \pi \rightarrow e + \nu + \gamma
Brown, S. N. 5=11776, Separating boundary layers
Brown, T. H. 5=1070, Spin-density of azulene radicals
Brown, W.B. + 5=368, Brillouin-Wigner perturbation theory
Brown, W.B. 5=4753, Gibbs' third principle
+Brown, W.J. 5=4825, Bolometers of evaporated gold
+Browne, C.P. 5=836, Selection-rule violation in Ne^{20}(d, \alpha)Fe^{18}Browne, C.P. + 5=8349, Source exchanger for accelerator +Browne, H. N. 5=5046, Sellmeier dispersion equation
Browne, J. C. 5=2972, Binding energy of LiH
Browne, J. C. 5=8938, Excited states of He<sub>2</sub> <sup>14</sup>
Browne, J. C. + 5=14638, Potential energy curves of He<sub>2</sub> H<sub>2</sub>
Browne, M. E. 5=6821, Phonon-helicon interaction
+Browning, B. 5=1916, Radiolysis of cyclohexane-
    cyclohexene-1-14C
Browning, K. A. 5=10061, Flow and precipitation in storms Browning, W. E., Jr + 5=8724, Release of fission products
+Brownlee, J. M. 5=8450, Exchange in \pi^* p \to p \pi^*\pi^0 at 4 GeV/c Bruck, S. D. + 5=13792, Precision syringe
Brudnoy, D. M. 5=14444, Decays of F_{s/2} resonances Bruge, G. + 5=8550, Excitations in \alpha-Sn scattering
+Brugger, H. 5=11125, Σ-Λ relative parity
Brugger, K. 5=12265, Grüneisen parameters in Debye model
Brugger, K. 5=12438, Elastic waves in crystals
Brugger, K. 5=12442, Elastic coefficients in crystals
```

```
+Brugger, R. M. 5=6098, Neutron scattering from methane
 +Brugger, R. M. 5=11520, Neutron scattering from NH.
 Brugger, R. M. 5=14561, Flux of beam hole
 Bruhn, W. + 5=15582, I. R. spectra of anthracene derivatives
 Brulin, O. + 5=42, Graviton as a spin-2 particle
 +Brüllmann, M. 5=14336, Fast pulse-height discriminator
 Brümmer, O. + 5=15153, Plastic deformation of Cu
 Brummer, S. B. 5=13173, Conductance in N. N-dimethylformamide
 +Brun, B. 5=6162, Self-diffusion of salt solutions
 Brun, E. 5=15517, Al27 n. m. r. in Zn spinels
 Brun, K. + 5=9346, Tetragonal PtMn phase
 +Brun, R. 5=12718, As-S-Br semiconductors
Brun, R. + 5=13919, Pressures in shock tube
 +Brun, T. 5=15473, Magnetic scattering of neutrons in Cr
 Brunet, H. + 5=2284, IR gas laser transitions
 +Brunet, J. 5=6097, Excitation by a in rare gases
 Brunet, R.C. 5=2624, Em moments of vector boson
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 +Bruning, H. A. C. M. 5=9359, System vanadium-gallium
 Bruninx, E. 5=14538, Production of Tb149
Brunner, W. 5=8325, Delayed coincidence measurements Bruno, G. + 5=14451, He^{\rm t} disintegration \alpha angular distribution
Bruns, H. 5=1648, Magnetoresistance of n-germanium
Brunstein, K. A. 5=10115, Low-energy galactic electrons
Brunton, J. H. 5=5019, Polarization of light from ruby maser
 Brunton, J. H. 5=9264, Twinning of crystals
 Brunvoll, J. + 5=5825, Coriolis coefficients in molecules.
 Brusentsev, F. A. + 5=9315, Crystal structure from Patterson
 Brusentsev, F.A. 5=9317, Atomic scattering factors
+Brusentsev, F. A. 5=12165, Structure analysis
Brush, S. G. 5=10302, Transport coefficients
 Brusilovskii, B. A. + 5=15186, Annealing of cold rolls
+Brussaard, P.J. 5=700, Energy levels in 2s_{1/2} 1d_{3/2} shell
 +Brussaard, P. J. 5=11200, De-excitation y angular distribution
Brutsaert, W. 5=13913, Elastic waves in granular mediums
 Bruyant, F. + 5=8452, \pi^+ + n \rightarrow p + \pi^0 at GeV/c
 +Bruylants, G. 5=8327, Logical sequential surveyor
 +Bruylants, G. 5=4702, Sequential operations surveyor
 +Bruynseraede, Y. 5=3993, Superconductivity of In films
 Bruzek, A. 5=15881, Optics of proton flares
+Bryan, M. E. 5=150, Quiet thresholds
+Bryant, D. A. 5=15877, Solar proton spectrums
 Bryant, F. J. 5=7381, Hull conference on luminescence
Bryant, F. J. + 5=15592, CdS, ZnS i. r. luminescence
+Bryant, G. H. 5=3130, Ionization rate in Hg discharge
Bryant, R. 5=13348, Densities from Explorer 17
Bryant, R. L. + 5=8145, Recording extended diffraction patterns
Bryant, R.W. + 5=6685, Shear strength of adhesive joints
Bryden, A. D. 5=405, Covarient theories for spin \% +Bryhn-Ingebrigsten, K. 5=2866, Critical assemblies of NPY
Bryngdahl, O. 5=344, Response in mesopic region
+Brysk, H. 5=8201, Scattering by Gaussian potential
Brysk, H. 5=8269, Summation of partial waves
+Brytov, I. A. 5=8743, Photoionization of He, Kr, Xe, CH, and
     methylal
Bryukhanov, A.O. 5=12552, Elasticity of steel around recrystalli-
     zation
Bryukhanov, V. A. + 5=6253, Sn<sup>119</sup> Mössbauer effect in Ag alloys
Bryukhatov, N. L. + 5=12946, Anisotropy of Fe-Ni ferrites
Bryukhatov, N. L. + 5=15464, Fe-Ni ferrite properties
+Bryzhina, M. F. 5=9159, O-W bronze structure ferroelectrics
Bubakova, R. 5=9445, p-bombardment of Si
+Bube, R. H. 5=4110, CdS superlinear photoconductivity
Bube, R. H. 5=6786, Electron trap distributions
Bubelev, É. G. + 5=10972, Reaction kinematics with photons
Bubelev, E. G. 5=11278, Kinematics of relativistic particles
Bublik, V.T. + 5=1305, Recrystallization of Cu and Al
Bublik, V. T. + 5=3557, Recrystallisation nuclei
+Buccella, F. 5=2591, e<sup>+</sup>-e collisions
+Buccella, F. 5=14433, Model for \pi + N \rightarrow N + \eta
Bucci, C. A. + 5=12794, Space charge polarization in KCl
Bucci, P. + 5=10583, Zeeman effect in n.q.r.
Buccino, S. G. + 5=5643, Scattering of neutrons from nuclei
+Buch, T. 5=2941, Gyromagnetism and spin-orbit coupling
Bucha, V. 5=13568, Magnetic fields by satellites and probes
+Buchanan, D. N. E. 5=3429, Mössbauer effect in SrFeO<sub>2, S.-9</sub> +Buchanan, J. A. 5=8305, Computer in a nuclear laboratory
+Buchanan, R. A. 5=11984, H<sub>2</sub>O, OH groups in beryl spectra
+Büchau, W. 5=12057, ZnS evaporated layers
Buchdahl, H. A. 5=7551, Relativistic fluid sphere
+Buchdahl, H. A. 5=7743, Gauge-independent theory of symmetry. I
Buchelnikova, N. S. 5=6047, Instability in potassium plasma
```

```
Buchel'nikova, N. S. + 5=11762, Instability in k plasma
Buchhold, T. 5=9659, Superconductive power supply
Buchholz, H. 5=7359, Optical rotation of irradiated quartz
Bucholz, H. + 5=8433, Neutron absorption in probes
Büchler, A. + 5=5837, Molecular geometry determination
Buchsbaum, S. J. + 5=15601, Microwave emission from InSb
Buchwald, V. T. + 5=7751, Eigenfunctions of, plane elastostatics. II
Buchy, F. + 5=15217, InSb electron—phonon coupling
+Buck, B. 5=11364, \alpha-Ni<sup>58</sup> scattering
Buckingham, R. A. + 5=11818, H viscosity and thermal conductivity
Buckle, E.R. + 5=6196, Excess properties in mixed ionic
     melts. II.
+Bucur, I. 5=13858, Fibre space of special relativity
+Budberg, P. B. 5=12024, ZrCr<sub>2</sub> polymorphism
Budden, K. G. + 5=14103, Rays in magnetoionic theory
Budewski, E. + 5=9286, Ag (111) planes electrolytic crystallization
+Budge, E. 5=7918, Transistorized voltage regulator
Budick, B. + 5=10696, Light sources for spectroscopy
+Budin, C. 5=9424, Cu electrical resistivity by quenching.I
Budin, C. + 5=12349, Electrical resistivity in Cu. II
+Budnick, J. I. 5=1239, Mössbauer effect in Ta<sup>181</sup>
+Budnikov, S. S. 5=15496, E. P. R. of Cu groups
Budó, A. + 5=9121, Fluorescent solutions
+Budurov, S. I. 5=9260, Crystal growth at macroscopic steps
+Budurov, S. I. 5=12092, Growth of macroscopic steps
Budyko, M. I. + 5=10033, Earth's heat balance
Budylin, B. V. + 5=12422, Alkali halide bleaching by annealing
Budzhak, Ya. S. 5=12812, Thermo-electricity and -magnetism of
+Budzhak, Ya. S. 5=12873, Magnetic susceptibility of PbSe
+Budzinski, E.E. 5=4483, Auroral electron spectra
Bueche, F. + 5=2087, Motion of forced vibration
+Bueche, F. 5=3872, Fracture of amorphous polymers
Bueckner, H. + 5=9175, Helmholtz equation in phase changes
+Buehler, E. 5=3471, Nb-Sn diagram and superconductivity
+Buehler, E. 5=9285, Preparation of rhenium crystals
Buehler, M. G. + 5=12712, Hall measurements
+Buehler, W. J. 5=6386, Growth of TiNi single crystals
+Buerger, M.J. 5=1352, Collimator for X-ray diffraction
Bugl, J. + 5=3391, Phase relations in U-N
+Bugl, J. 5=12325, Fission-gas release from Fe-20% Cr
+Bugrienko, V. I. 5=7400, Luminescence and photoelectricity of
Bugrienko, V.I. 5=12807, AgCl photoelectret state
Buhler, A. + 5=11070, Range measurements for muons
Bühler, F. + 5=5649, Scattering of neutrons from materials
Buhrer, C. F. 5=2311, Microwave light modulation
Bühring, W. 5=5568, Beta decay theory (III)
Buhrke, V.E. 5=5317, Measurements of X-rays
+Buhrow, J. 5=9940, Luminescence of Ba-Ti-phosphate
+Buhrow, J. 5=9943, Luminescence in Ca-Bi-Tl-phosphate
Buhrow, J. 5=13091, Dependence of luminescence
+Buhsmer, C. P. 5=9233, Transitions in quartz and cristobalite
+Buinov, N. N. 5=12380, Decoration of dislocations in Al—Cu
Buishvili, L. L. 5=4260, N.M.R. in ferromagnetic dielectrics
Buishvili, L. L. + 5=15511, N. M. R. in ferromagnets
Buishvili, L. L. + 5=15512, N. M. R. in ferromagnets
Bukhanova, A. A. + 5=14984, Germanium dendritic growth
Bukhanova, A. A. + 5=14985, Growth of dendrites in Ge
Bukke, E. E. + 5=9959, Ruby luminescence
Bulanin, M.O. + 5=1191, IR spectra of liquid O and N
Bulatova, R. F. + 5=11988, Stratification in solid H<sub>2</sub>-HD, D<sub>2</sub>-HD
Buldyrev, V. S. + 5=10676, Integral equations for resonators
+Bull, V.A. 5=693, Heavy He hypernucleus
+Bull, V.A. 5=5499, Decay of heavy hypernuclei
Bullen, F. P. + 5=12478, Al strain-hardening relations
Bullen, F. P. + 5=12491, Strain-hardening in copper
Bullen, F. P. 5=15195, Cleavage of Zn crystals
Bullen, J. M. 5=13533, Ionospheric recombination and polar
     warming
Bullen, K. E. 5=1925, Rigidity in the earth's core
Bullen, K. E. 5=13210, Compressibility in Earth's core
Bullen, K. E. 5=13212, Earth's lower core
Bullock, A. T. + 5=8880, E. S. R. in P. M. M. A. -derived radicals
+ Bullock, C.K. 5=3187, Thermionic emission from plasmas Bullock, D. L. 5=12955, Antiferromagnetic ground state*
Bullot, J. 5=6357, Zone melting for organic substances
Bullough, R. 5=9528, Cracked dislocation under tension
+Bullrich, K. 5=4471, Molecular atmosphere scattering
+Bullrich, K. 5=13272, Extinction of solar radiation Bulos, F. + 5=5398, \pi^-+p\to\eta^++n to 1151 MeV
Bulos, F. + 5=14434, \pi^- p charge exchange
```

```
+Bulthuis, K. 5=7960, Electron depolarization and scattering
Bulyanitsa, D. S. 5=12618, Exciton complexes
Bulychev, D. K. + 5=3846, Healing of pores in metals
Bulycheva, Z. N. + 5=14993, Magnetic properties of Al-Fe alloys
+Bunch, S. M. 5=794, Elastic scattering of protons
Bundy, F. P. 5=3392, Phase diagrams of Si and Ge
Bundy, F. P. 5=12006, Fe pressure—temperature phase diagram
Bundy, F. P. 5=12045, Diamond synthesis
Buneman, O. 5=3157, Collisionless shock fronts
Bunyan, P. J. + 5=11463, Electron polarization by Hg
+Buongiovanni, S. 5=154, Resection of efferent cochlear fibers
Buras, B. + 5=3619, Neutron crystal investigations
 Buravikhin, V. A. + 5=15448, Elastic stresses, f. m. films
Burbank, R. D. 5=6429, Absolute integrated intensity measurement Burbidge, E. M. + 5=4607, Velocity field in M82
Burbidge, E. M. + 5=7617, Origin of radio sources
Burbidge, E. M. 5=13728, Ultraviolet emission from galaxies
+Burbidge, G.R. 5=4607, Velocity field in M82
+Burbidge, G.R. 5=7617, Origin of radio sources
 +Burbidge, G. R. 5=13680, High energy cosmic \gamma and \nu
 Burcev, P. 5=7773, Generalized lorentz transformation
 +Burch, D. E. 5=8864, Laser light absorption by methane
 Burch, W. M. 5=13189, Tidal gravity recording
Burcham, W. E. 5=8286, High and low energy nuclear physics
 +Burcham, W. E. 5=14534, Determination of (p, n) thresholds
 Burdecki, F. 5=13261, Perspective of clouds
Burden, F.R. + 5=2937, Anharmonic potential constants
Burdet, G. + 5=5143, Schrödinger's equation solutions
Burdet, G. + 5=5144, Construction of the potential
 Burdick, B. 5=10406, Negative ions in He II
Burge, D. K. + 5=4277, Ellipsometric optical constants
Burger, J. P. 5=7081, Magnetic properties of alloys
 Burger, J. P. + 5=9658, Superconducting films
 Burger, J. P. + 5=15303, Critical fields of SnIn
 Burger, P. 5=2204, DC states in thermionic convertors
 +Burger, R. N. 5=14377, Accelerator beam pulses
 Burgess, A. 5=5961, Hydrogenic photoionization and recombination
 +Burgess, T. J. 5=13052, Ge, Si microwave Faraday rotation
 Burget, J. + 5=7279, Dynamic polarization of protons
 Burggraaf, A. J. + 5=3850, Strengthening of glass.I
Burk, D. L. 5=4425, X-ray emission in microprobe
+Bürk, G. 5=12967, Polycrystal e. s. r. line shapes
 +Burkard, E. 5=4167, K<sub>2</sub> Tc[Re] (halogen)<sub>B</sub> magnetism
+Burkard, E. 5=9773, Curie temperature of Ni
 Burke, B. E. + 5=3175, A plasma-physics course
 +Burke, J. 5=3604, High temperature diffractometry
 +Burke, J. 5=15004, High temperature X-ray diffractometer
Burke, J. E. 5=2117, Scattering by elliptic cylinders
Burke, J. E. + 5=7729, Two-dimensional multiple scattering
+Burke, J. J. 5=9869, 207 Pb magnetic shielding in PbMoO<sub>4</sub>
 +Burke, M. J. 5=13477, Ionosphere partial reflection
 Burke, O. 5=4710, Gas pressure meters
Burke, P. G. + 5=922, Scattering of electrons by He<sup>*</sup>
Burke, P. G. + 5=5799, Resonant scattering of electrons by He<sup>*</sup>
 +Burkhardt, P. J. 5=15370, Stabilization of SiO, passivation layers
 +Burlacu, E. 5=739, Intercomparison of radioactivity standards
      1961-1963.
 Burlacu, L. 5=14309, Regge poles in relativistic scattering Burley, G. 5=9297, Ice nucleation
 Burley, S. P. 5=9841, ESR of Cu2+ and Ti3+ in borax
 Burley, S. P. 5=9844, ESR of Mu<sup>2+</sup> in apatite and Smithsonite
Burley, S. P. + 5=12985, E. S. R. of Fe<sup>3+</sup> in benitoite
 Burlin, T. E. + 5=5256, Characteristics of ionisation chamber
 Burlin, T. E. + 5=7059, Electron transfer in cavity chambers
 Burlin, T. E. 5=15419, Electron emission in an irradiated chamber
 Burman, R. 5=7998, E.m. reflection by stratified medium
 Burman, R. 5=10572, Lower ionosphere at v.l.f.
 Burman, R. + 5=14060, Wave functions for electromagnetic fields
 Burman, R. 5=14102, Appleton magneto-ionic theory
 Burman, S. 5=7626, Origin of the solar system
  +Burmeister, H. 5=5321, Neutrino interactions
 Burnham, D. C. + 5=1799, E.S.R. on Cu-doped HgCl
 Burnot, G. + 5=14368, Tube for accelerator
 Burns, E. A. + 5=15833, Lunar temperature
 Burns, G. 5=6242, Crystal fields at rare-earth ions
 Burns, G. + 5=8059, Effect of temperature on GaAs lasers
  +Burns, J. 5=1887, Fluorescence of sodium salicylate
 +Burns, J. H. 5=3631, Crystal structure of Li BeF ZrF
 Burns, J. H. + 5=6493, Crystal structure of XeF<sub>2</sub>-XeF<sub>4</sub>
 +Burnstein, R.A. 5=640, Λ-p scattering cross-sections
 +Burnstein, R.A. 5=2686, Sigma leptonic decays
Burnstein, R.A. + 5=2687, Masses of \Sigma, \Sigma^{\circ} hyperons
```

+Burnstein, R. A. 5=5450, Leptonic decays of charged Σ Burnstein, R, A, + 5=11090, π⁻-p interactions +Burov, I. V. 5=1608, Magnetoelectric phenomena in gadolinium +Burov, I. V. 5=4166, Gd-Te[Er] magnetic properties Burris-Meyer, H. 5=115, Acoustics and people +Burrows, J. R. 5=7514, Auroral absorption and precipitated electrons Burrows, K. + 5=7518, Detection of ionospheric electric current +Burrows, K. 5=10103, Rocket magnetometer deployment system Burrows, K. 5=13635, Rocket-borne proton magnetometer Burrows, K. M. + 5=319, Sensitizing of far u.v. plates Burshtein, R. Ch. + 5=4123, Work function of a metal Burson, S. B. + 5=734, Levels in Re188 +Burson, S. B. 5=8551, States of Ba¹³⁵ from decay of La¹³⁵ Burtin, R. 5=9922, Optical properties of metals +Burton, A. C. 5=2163, Time response of calorimeter Burton, M. + 5=1198, Luminescence in solvent systems Burton, M. + 5=1884, Luminescence in 3-methylpentane glass Burton, M. + 5=3349, Luminescence decay in solutions Burton, M. + 5=9928, Luminescence decay measurement +Burton, M. S. 5=12511, Fe-Ni[Pt] alloy strengthening Bursian, E. V. + 5=12802, Capacitance of BaTiO₃ films Bursuc, I. + 5=12934, Magnetization of Ni-Fe Buryakivskii, G. Yu. + 5=10607, Laser with variable losses +Busby, R. E. 5=11928, Light transmission at melting +Busch, G. 5=4126. Emission of electrons from Si Busch, G. + 5=7335, Optical absorption of Eu chalcogenides +Buschert, R. C. 5=9510, Length change of irradiated Ge +Buschow, K. H. J. 5=3620, Al compounds of rare-earths Buschow, K. H. J. + 5=14935, Phases in Sm-Al system Buscombe, W. + 5=7593, Luminosity classification of G stars Busemann, A. 5=3242, Minimum drag nose Busemann, A. 5=10512, Lift control in magnetohydrodynamics Buser, R. G. + 5=5039, Radiance of luminous cylinder Buser, R. G. + 5=8111, Phase changes in visible and i.r. +Bush, G. E. 5=525, Mura electron accelerator.VII +Bushnev, L. S. 5=15156, Cu-Al dislocation structure and mechanical properties +Bushuev, A. V. 5=2791, γ -Emission of U^{238} Busing, W. R. + 5=6443, Three-circle neutron diffractometer Busol, F. I. + 5=8941, Vacuum in charge exchange chamber Busse, J. + 5=9848, Doped AgBr e.s.r. +Bussière de Nercy, A. 5=2842, phase rule in α -scattering +Bussmann, H. 5=14693, Empirical regularities for recombination Bussolati, C. + 5=1597, Positrons in alkaline earth oxides Bussolati, C. + 5=5270, Si electron—hole generation +Bussolati, C. 5=14328, Spectrum expander for semiconductor detector Butcher, E.G. + 5=6365, Preparation of carbon disulfide Butcher, P. N. + 5=15536, Parametric amplification Butcher, S. S. 5=11560, Spectrum of 1, 3, 5-cycloheptatriene Butcher, S. S. 5=11561, Spectrum of 1, 3-cyclohexadiene +Butenschon, H. 5=8450, Exchange in π^+ p \rightarrow p $\pi^+\pi^0$ at 4 GeV/c +Butera, R. A. 5=7186, Moment and susceptibility of MnCl₂ +Butikov, E. I. 5=15484, Electron paramagnetic spectrum +Butler, C. T. 5=1485, Colorability of KCl Butler, J. F. + 5=2300, PbTe Diode laser Butler, J. F. 5=6974, Junction diodes of PbSe and PbTe Butler, J. F. + 5=14165, PbSe diode laser +Butler, J. H. 5=15362, GaAs chip tunnel diode +Butler, J. P. 5=4335, 73 cm⁻¹ Band in polyethylene Butler, R. A. 5=13973, D.C. resting potentials in guinea-pig cochlea Butler, S. T. + 5=5780, Excitation of neutral atoms. I Butler, S. T. + 5=5782, Excitation of neutral atoms +Butterworth, I. 5=8450, Exchange in $_{\pi^+}$ p \to p $_{\pi^+\pi^0}$ at 4 GeV/c Buttet, J. + 5=7255, E,P,R, study of sulphur +Buttit, J. 5=9849, ESR in irradiated S +Buttle, P. J. A. 5=8641, Neutron tunnelling process Büttner, H. 5=11290, Nuclear 2-particle emission +Button-Shafer, J. 5=643, S=-2 barvon systems +Button-Shafer, J. 5=11127, Production, decay of Ξ^* (1820) +Butts, J. J. 5=5286, Width of monopole tracks in emulsion Butusov, M. M. + 5=4925, Hall cut-off in magnetron Butusov, M. M. + 5=7971, Diode magnetron space charge +Butzke, H.C. 5=3877, Wear surfaces on sapphire Buxton, E. B. + 5=15669, Radiation during eclipse Büyüktür, A. R. + 5=4826, Transfer of heat from plate +Byakov, V. M. 5=1898, Chemical reactions involving muonium Bychkov, S. I. 5=14078, Calculations for magnetrons and platinotrons +Bychkova, M. I. 5=15300, Nb-Zr magnets +Bykov, V. N. 5=3719, Selfdiffusion of Mo

+Bykova, N. M. 5=105, Gas velocity behind shock wave Bykhovskii, D. G. + 5=5950, Extended arc in argon Bykhovskii, V. K. + 5=884, Nonadiabatic transition Býkovtsev, G. I. 5=3816, Compression of plastic shell Bykovtsev, G. I. 5=10239, Drucker's postulate for plastic media +Byram, E. T. 5=7601, X-ray emission from the Crab nebula Byron, F. W., Jr. + 5=5539, Spin and moments of Cd¹¹³ Bystrov, V. F. + 5=974, Study of H bond by n.m.r. II. Bystrov, V. F. + 5=11601, Chemical shift of hydroxyl signal Byzova, I. L. 5=15692, Atmosphere boundary layer Cabana, A. + 5=11570, Raman spectrum of CH₄ Cabané-Brouty, F. + 5=15621, S chemisorption on Ag Cabannes, F. 5=2158, High temperatures and measurement +Cabannes, F. 5=3159, IR radiation from Ar plasma +Cabannes, F. 5=3232, Plasma gun characteristics Cabannes, F. + 5=6013, Plasma jet temperature measurement +Cabannes, F. 5=15560, Optical constants of magnesia Cabe, J. + 5=11324, Cross-section of silicon for neutrons Cabibbo, N. 5=2460, CP and T violation in weak interactions +Cabibbo, N. 5=2667, 2π Decay of K_2^0 Cabibbo, N. 5=8233, Leptonic decays Cabibbo, N. + 5=8461, K_{e4} and low-energy $\pi-\pi$ shifts Cabibbo, N. + 5=11118, Hyperon production by neutrinos in SU₃ Cable, J. W. + 5=6469, Crystal structure of nickel hydride Cable, J. W. + 5=7191, Alignment of moments in Pd-Fe Cabrera, N. 5=6343, Equilibrium of crystal surfaces Cachet, H. + 5=9142, Hertzion spectra of *l*-menthol +Cadart, M. 5=14741, Microwave plasma diagnostics +Cade, P. E. 5=5834, Two-center molecular integrals. V. Cadeau, M. + 5=5656, Binding energy of Si²⁹ +Cadenhead, G. 5=10016, Thermoelectric powers of ion +Cadilhac, M. 5=7999, Diffraction by network +Cadle, R. D. 5=7062, Scanning photomultiplier Cadle, R.D. 5=7506, Daytime atmospheric O(1D) +Cadoff, I. B. 5=6731, Strengthening of LiF Crystals Cadoret, R. 5=11968, Electric field in crystal Caffey, T. W. H. 5=13790, Fabricating a spherical coil Cagan, V. + 5=7156, Permittivity and permeability of ferrites +Caglioti, G. 5=2616, Polyatomic liquid n-scattering Cagliott, G. + 5=15006, Resolution of crystal spectrometer +Cagnard, R. 5=278, Laser transitions in i.r. +Cagnard, R. 5=14594, Stimulated emission in He⁴ and He³ +Cahen, M. 5=7781, Spherically symmetric gravitational fields Cahen, M. + 5=13863, Birkhoff's theorem +Cahill, L. J., Jr 5=13337, Impulses in magnetosphere +Cahn, J. H. 5=13437, Electron distribution in ionosphere Cahn, J.W. + 5=3547, Molecular solidification Cahn, J.W. + 5=3812, Surface tensions of III-V compounds Cahn, J. W. 5=6269, Phase separation by spinodal decomposition Cahn, J. W. 5=9208, Spinodal decomposition correction +Cahoon, J. 5=3400, Alloy freezing in magnetic field +Cahoon, J. 5=3712, Diffusion in a magnetic field Caianiello, E. R. 5=10274, Many-body problem Caianiello, E. R. 5=10275, Many-body problem, Vol. 2 +Caillat, R. 5=14996, Calcination kinetics of UO₂ +Caillet, M. 5=12058, Gas-solid kinetics Cain, J. C. + 5=13562, Vanguard 3 magnetic field data Cairns, D. J. + 5=5463, p-He 4 scattering at 53 MeV +Cairns, R. B. 5=7058, Photoelectric yield of Al +Cairns, R. B. 5=13426, Photoionization cross sections Cairo, L. + 5=10478, Reciprocity in electrodynamics Cajko, J. 5=8120, High-resolution spectrometer +Calabra, A. E. 5=6265, Preparation of sintered CeO₂

Calandra, A. 5=2005, Program in science Calaprice, F. P. + 5=11261, β -decay and magnetic moment of Ar³⁵ +Calawa, A. R. 5=2300, PbTe diode laser +Calawa, A. R. 5=14165, PbSe diode laser +Calcote, H. F. 5=7430, Ion formation in hydrocarbon flames Caldirola, P. 5=4749, Ergodic theories Caldirola, P. + 5=15728, Nonlinear phenomena in ionospheric plasma +Caldwell, C.W., Jr. 5=3542, Lithium fluoride (100) surface Caldwell, D.O. + 5=10994, Tagging system for photons +Caldwell, J. T. 5=788, Pb and Bi photoneutron cross sections +Calecki, D. 5=4759, Nonisothermal quantum theory +Calinicenco, N. 5=4893, Saturation-probe magnetometer Calkins, J. 5=329, Multiple scattering in absorption Callaerts, R. 5=4323, Optical properties of SiTe. +Callaerts, R. 5=15569, Optical properties of Si₂Te₃ Callahan, A. + 5=2671, τ^{+} Branching ratio A 23b

Bykov, V. N. + 5=15094, Mo dislocation annealing

```
Callahan, W. R. 5=13903, Modes of vibration for ring
Callan, C. + 5=13668, Cosmology and Newtonian mechanics
+Callaway, J. 5=1431, Thermal conductivity of EuS
+Callaway, J. 5=3921, Energy bands in Na
Callaway, J. + 5=4154, Susceptibility of interacting electrons
Callaway, J. + 5=11508, Excitation of H2+
Callcott, T. A. + 5=2167, Liquid nitrogen circulating system
Callear, A. B. + 5=7424, Fluorescence of NO C<sup>2</sup>II(v = 0) Callear, A. B. + 5=8772, Deactivation of Hg (6<sup>3</sup>P<sub>0</sub>) 5=8772
+Callen, E. 5=4178, Ferromagnet cluster approximation
Callen, H. B. + 5=4178, Ferromagnet cluster approximation
+Callen, H. B. 5=4214, Transitions of Heisenberg antiferromagnet
+Callen, H. B. \,5{=}7176, Spin-flop phase of antiferromagnet Calleri, M. + \,5{=}1390, Structure of analcite
Callies, J.-L. + 5=6367, Intraband Faraday effect in Te
+Calmes, F. 5=7003, Dielectric constant of crystalline powder Calow, C. A. + 5=3574, Silicon nitride whiskers
Calogero, F. 5=8202, Attractive potential with bound states Calogero, F. + 5=8270, Scattering due to gr^{-2}ln(R/r)
Calogero, F. 5=14236, Existence of bound states
Caloi, P. 5=15644, Dimensions of earth's core Căluşaru, A. 5=10029, \rm (NH_4)_2SO_4 and \rm Na_2SO_4 radiolysis
Calvelli, C. + 5=2576, Spark chamber for \gamma-rays
+Calvelli, G. 5=5398, \pi^2 + p \rightarrow \eta^\circ + p to 1151 MeV +Calvelli, G. 5=14434, \pi^- p charge exchange
Calvert, J. B. 5=11888, Sound absorption in O2-H2O vapour
+Calvert, J.W. 5=7692, Electroding semiconductor whiskers
Calvert, L.D. + 5=1388, Crystal structure of Ag<sub>R</sub>Ca<sub>3</sub>
Calvert, W. + 5=4495, Ionosphere explorer I satellite
 +Calvert, W. 5=13450, Electrostatic oscillations in ionosphere
Calvert, W. + 5=13545, Spread-F observations
Calviello, J.A. + 5=290, Raman laser in mixed liquids
+Calvillo, J. 5=5674, Angular distributions in Li<sup>6</sup> (d, p)<sup>7</sup> Li
+Cameron, I.R. 5=878, Core 5 of ZENITH
+Cameron, J. A. 5=1231, Orientation of Ir<sup>191m</sup> in Fe
Calvo, C. 5=12243, Crystal structure of α-Zn<sub>3</sub> (PO<sub>4</sub>)<sub>2</sub>
 +Camagni, P. 5=9954, X-ray luminescence in alkali halides
Camagni, P. + 5=15281, Excess conductivity during deformation
      of alkali halides
+Camarata, R.J. 5=6943, Negative resistance in p-type silicon
+Cambel, A. B. 5=7988. Magnetogasdvnamic flow: reply Camerini, U. + 5=2672, Leptonic currents in K decay
+Cameron, A. G. W. 5=13577, Variations of geomagnetic activity
Cameron, A. G. W. 5=15790, Neutron star magnetospheres
Cameron, I.G. + 5=11790, Interface instability under acceleration
+Cameron, I.R. 5=2870, Spectra in the ZENITH Pu core 7
Cameron, J. A. + 5=14506, Nuclear polarization of Ir<sup>192</sup>
Camhy, C. + 5=14583, Measurement of excited lifetimes. II
+Caminiti, R. 5=13549, Sea waves induced magnetism +Camp, D. C. 5=5577, Asymmetry parameters in allowed \beta decay
+Campayne, F. I. 5=8450, Exchange in \pi^+ p \to p \pi^+\pi^0 at 4 GeV/c Campbell, A. M. + 5=12677, Type II superconductors
+Campbell, A. M. 5=12678, Superconductor flux instabilities Campbell, D. S. + 5=12053, Growth of Ag and Au films Campbell, I. A. + 5=1231, Orientation of Ir<sup>191m</sup> in Fe
Campbell, I. A. + 5=6248, Au nuclear polarization in iron
+Campbell, I. A. 5=14506, Nuclear polarization of Ir190
+Campbell, J. A. 5=13665, Petrographic studies
+Campbell, J. J. 5=6385, Crystallization of Ta and Nb oxide films
Campbell, K.C. + 5=13161, Ni surface changes after chemisorption
Campbell, L. J. 5=11335, Deuteron—carbon scattering
Campbell, R. A. 5=13971, Feedback, noise-signal detection
+Campbell, R. B. 5=2519, Nuclear particle detector
+Campbell, W. J. 5=5129, Fluorescent X-ray spectrography
Campion, P. J. + 5=11250, Weighing techniques in radionuclide
      standardization
Camplan, J. + 5=10462, Measurement of magnetic field indices Campolattaro, A. + 5=14872, Diffusion in liquid suspensions
Camus, M. 5=6003, E.M., guided waves in plasma
Candau, S. 5=6175, Ultrasonic absorption in polymer solutions
Candela, G. A. 5=7223, CuSO, 5H,O spin-lattice relaxation
Candela, G. A. + 5=12972, Spin-lattice relaxation times
Canepa, P.C. + 5=2519, Nuclear particle detector
Caner, B. 5=4510, Geomagnetic effects of explosions
+Canfield, F. B. 5=1995, Frozen benzene filler
Canfield, L. R + 5=7334, U.V. optical constants of Cu and Ag
Cann, M.W.P. + 5=3069, NH from shock-heated NH<sub>3</sub>
Cannon, P. 5=1520, Vapor lubrication of graphite
Cannon, P. + 5=6369, Formation of diamond. III.
+Cannon, S. M. 5=11625-6, Discharges in rare gases, I-II
+Cannon, S. M. 5=11630, He—Ne discharge
Canon, M. 5=5125, X-ray analyzing polycrystal
Cantarell, I. 5-4142, Emission of photomultiplier tubes
```

```
Cantarell, I. + 5=12852, Fatigue in photomultiplier tubes
 Cantarell, I. 5=12853, Fatigue in photomultipliers
 +Cantin, M. 5=4145, Secondary emission statistics
Cantoni, V. 5=4904, Classical motion of charged particle
Cantwell, T. + 5=13216, Earth's deep resistivity
 +Cantwell, T. 5=13613, Micropulsation activity
Canuto, V. + 5=5490, Nuclear masses and Shell model Canuto, V. + 5=8523, Nuclear level density
Canžek, L. 5=8096, Objective for profile projection
Cap, F. 5=11693, Magnetogasdynamic equation Cap, F. 5=11388, Multigroup diffusion theory
+Cape, J. A. 5=4837, Thermal diffusivity measurement
Capel, H. W. 5=5836, d-ions in ligand fields. I-II
 Caplin, A. D. 5=9850, Paramagnetic resonance in tin
+Cappellani, F. 5=2781, L/K ratios in Xe<sup>127</sup> decay
+Cappellani, F. 5=14330, Si Li-drifted detectors
 Capps, M. J. + 5=7863, Auditory fatigue
Capps, R. H. 5=5190, Pseudoscalar-meson masses
Capps, R. H. 5=5202, Reciprocal bootstrap model
Capps, R. H. 5=10792, Possible chain of resonances
Capps, R. H. 5=10801, Bootstrap model of four multiplets
 Capps, R. H. 5=10824, SU(6) baryon bootstrap model
 +Caputi, R. W. 5=14829, Apparatus for X-ray studies of liquids
 +Carabateas, E. N. 5=12061, Ions adsorbed on metal
Cardon, F. + 5=4110, CdS superlinear photoconductivity
Cardona, M. + 5=1631, Superconduction in Hg-Cd alloys +Cardona, M. 5=6873, Ginzburg-Landau parameter
 +Cardona, M. 5=6888, Microwave studies of Nb<sub>3</sub>Sn
  Cardona, M. + 5=13081, Optical properties of Wurtzite
Carel, C. + 5=1375, Crystallography of solid wüstite
Careri, G. + 5=184, Ionic drift velocity in He II
Careri, G. + 5=185, Ions in liquid helium II
Carette, J.D. + 5=2690, Study of D by e-analyser Carey, M.C. + 5=4708, Optical micrometer
 Carey, R. + 5=12890, Magnetic domains
 +Carhart, R. 5=561, Nucleon electromagnetic structure
 Carides, J. + 5=14940, Phase diagram of zinc telluride
 +Carides, J. N. 5=15347, Preparation of n-type ZnTe
 +Caris, J. C. 5=5888, Fluorescence of lanthanide complexes
 Carley, D. D. + 5=6056, Distribution functions of fluids
 +Carleton, N. P. 5=13359, Aurora and airglow
Carlos, P. + 5=5533, \gamma-\gamma cascades in Mn<sup>55</sup> Carlos, P. + 5=5721, Hoogenboom method for \gamma-\gamma cascades
 Carlos, P. + 5=8563, \gamma-\gamma cascades in Hg^{20}
 +Carlson, E. H. 5=4275, N.Q.R. in PrCls
 +Carlson, R.O. 5=4350, Intrinsic gap in GaAs - P.
 Carlson, R.O. + 5=12310, Thermal conductivity of laser
      semiconductors
Carlson, R.R. + 5=853, \gamma-radiation from Li bombardment +Carlson, R.R. 5=5521, N<sup>17</sup> energy levels Carlson, R.R. + 5=5691, Li<sup>7</sup>(Li<sup>7</sup>, He<sup>6</sup>)Be<sup>8</sup> reaction
Carlson, T. A. + 5=11429, Atomic readjustment in Ar
 +Carlston, C. E. 5=7978, Source for metal ions
 Carman, E. H. + 5=13361, Variation of airglow
 Carman, E. H. + 5=13364, [O I] 6300 A airglow
 Carman, E. H. 5=15700, Ionospheric parameters and airglow
 +Carman, E. H. 5=15725, Long range trans-equatorial v. h. f.
Carmeci, P. + 5=2135, Sonograph recording techniques
 Carmeli, M. 5=2041, Motion in gravitational field
 +Carmichael, H. 5=5369, NM-64 Neutron monitor
Carmichael, H. H. + 5=7448, Radiolysis of ethane
Carmichael, J. B. 5=3093, Model short-chain polymers
 +Carmony, D. D. 5=600, o-exchange in \pi^* + p \rightarrow N...**+ \pi^0 +Carmony, D. D. 5=5401, 2\pi structure in A meson
 Carnahan, C. L. 5=5311, \gamma-pulse distribution peak analysis
Carnahan, R. D. 5=9567, Mechanical behaviour of MgO Carnahan, R. D. + 5=9568, Ni microplastic behaviour
Carnall, W. T. + 5=894, Energy levels of Am<sup>3+</sup>
Carome, E. F. + 5=6170, Acoustic transients in liquids
 +Caron, A. 5=12275, Temperature vibrations in urea
 Caroubalos, C. 5=4662, Solar activity and geophysical effects
 Carpenter, D. G. 5=13402, Reactors and radiation belts Carpenter, D. L. + 5=13306, Whistlers below protonosphere
 +Carpenter, D. W. 5=8469, CP nonconservation in K_2^0 decays
 Carpenter, E. W. 5=13203, Explosion seismology
 +Carpenter, S. H. 5=6669, Deformation and internal friction
      measurements
 +Carpentier, G. 5=1945, Ionospheric temperature measurements
 Carr, E. F. 5=9137, Dielectric constant of a liquid crystal
 Carr, P. B. + 5=2137, Excitation spectra
Carr, P. H. 5=119, Generation of microwave phonons +Carr, R. E. 5=13736, Oscillations of the moon
```

Carr, W.N. 5=4373, GaAs Optiocal sources

```
Carr, W. N. + 5=13117, Optical generation in GaAs diodes
Carrà, S. + 5=1014, Intermolecular potential function
+Carrara, R. 5=5395, \pi^- + p \rightarrow \pi^\circ + n at 930 MeV
Carrara, R. + 5=5451, Search for two-body \(\Sigma^{\dagger}\) decay
Carrell, M. A. + 5=15578, Absorption in UO<sub>3</sub>-SiO<sub>2</sub>-Na<sub>2</sub>O
Carrelli, A. + 5=11917, Thermal relaxation times of liquids
Carrington, A. + 5=3366, ESR of free radicals in liquid crystals
+Carrison, L. C. 5=6315, High-pressure polymorphs of \mathrm{Zr_2P_2O_7}
+Carrison, L. C. 5=12203, Preparation and structure of InTe
+Carroll, B. 5=177, Temper ature in thermogravimetry
+Carroll, B. L. 5=11522, B_2H_6 and B_2D_6 structures
+Carson, J. F. 5=5101, Cine photomicrography
Carson, R.S. 5=2186, Sensitive current monitor
Carstoiu, J. 5=10518, Rotation of dielectric fluid
Carswell, A. I. 5=1132, Two-phase Hg plasma tunnel
Carswell, A. I. + 5=2283, Three-mirror laser system
+Carter, A. H. 5=10043, Sofar propagation effects
Carter, A. W. L. + 5=1988, Annular aerial systems
Carter, D. L. + 5=15330, D. C. voltage in InSb
Carter, E. B. + 5=11374, O<sup>16</sup>—O<sup>16</sup> scattering
+Carter, G. 5=2922, Interatomic potential in metals
+Carter, G. 5=6614, Radiation damage calculation
+Carter, G. 5=9205, Interatomic potential in Al
Carter, J. G. + 5=7343, Optical properties of graphite Carter, N. L. 5=10344, Loudness of transients
+Carter, R.E. 5=733, Energy levels of Dy165
+Carter, V. L. 5=11435, Li absorption cross-section
+Carterette, E. C. 5=4814, Listening to Markovian signals
Carterette, E. C. + 5=10347, Lateralization at unstimulated ear
Cartwright, D. G. 5=13509, Intermediate layer of ionosphere Caruso, A. J. + 5=13040, Calibration and use of X-ray source Carver, J. H. + 5=13327, Oxygen density in upper atmosphere
+Carver, T.R. 5=919, Relaxation of Rb87 atoms
+Carver, T. R. 5=10587, Regenerative Rb maser oscillator
+Carvillo, L. 5=5678, Neutron capture in Na<sup>23</sup>(d, p) Na<sup>24</sup>
Cary, B. 5=8898, Dissociation of nitrogen
Casabella, P. A. 5=4263, N. M. dipole coupling in BF_3 Casas, J. + 5=8084, Visual image
Casas, J. + 5=14176, The geometry of optical prisms
+Casas, L.H. 5=580, Slow neutron counting
Casassa, E.F. 5=3309, Thermodynamics of polymer solutions
Case, K. M. 5=8966, Motion of Vlasov plasmas
Case, W. E. + 5=7200, Ferrimagnetic resonance measurements Casella, R. C. + 5=3988, Magnetic superconducting films
Casey, H.C., Jr. + 5=3441, Thulium-gallium arsenide
Cashion, J.K. + 5=3001. Activation energy for H + H<sub>2</sub>
Cashion, J.K. 5=7934, Vibration-rotation interaction factors
+Casii, A. J. 5=14778, Pinch discharge switch
+Caskey, G. R., Jr. 5=15193, Swelling of uranium
Cáslavský, J. 5=5053, Topographic goniometer
Cason, C. 5=11723, Probe for ionized gases
+Cass, T. R. 5=9487, Stacking faults in Co
+Cassandro, M. 5=8270, Scattering due to gr^{-2}ln(R/r)
Cassandro, M. + 5=8285, Vertex functions in perturbation theory
Cassedanne, J. 5=3464, Diagrams of αFe<sub>2</sub>O<sub>3</sub>-NiO, La<sub>2</sub>O<sub>3</sub>-NiO and
\alpha Fe<sub>2</sub>O<sub>3</sub>-NiO-La<sub>2</sub>O<sub>3</sub>
Casselman, T. N. + 5=15534, Lyddane—Sachs—Teller relation
+Cassen, T. 5=9994, Phosphorescence of hydrocarbons in
     polymers
+Cast, J. C. 5=10318, Shock and free-surface velocities
Castagnoli, C. + 5=5378, Scattering of 9 BeV/c \mu in emulsion
Castagnoli, C. + 5=10973, Intermediate boson search
Castagnoli, C. + 5=11069, High energy loss of mesons. I
Castagnoli, C. + 5=11157, Cosmic radiation in Mont Blanc
Castagnoli, C. + 5=14427, Pair production by muons
Castaing, R. + 5=2225, Fresnel diffraction by screen
+Castan, P. 5=5877, Absorption bands of aliphatic compounds
Castellano, S. + 5=4981, Least-squares analysis of n. m. r.
+Castellano, S. 5=8894, Spin coupling in ethyl derivaties
Castelli, J. P. + 5=15722, Scintillations of a radio star
+Castiglioni, M. 5=14381, Milan AVF cyclotron
Castiglioni, M. + 5=14382, Source of polarized protons
+Castle, J. G., Jr. 5=3776, Relaxation of F centers in KCl
Castle, J.G., Jr. + 5=7247, Resonance at defects in quartz
Castle, J. G., Jr. + 5=7250, Si point defect relaxation castoldi, P.C. 5=2662, Nuclear production of \rho's
Castro, A. + 5=4885, High-voltage pulse generator
Castro, A. + 5=6361, Obtaining single crystals of alkali halides
Castro, A. + 5=12795, Thickness and electric strength of NaBr
Castro, G. + 5=12578, Carrier generation in anthracene
+Castro, I. 5=5248, Nuclear physics laboratory
Castrucci, P. P. + 5=15355, Control of planar junctions
```

```
Caswell, H. L. 5=6895, Hysteresis in superconducting films
 Caswell, H. L. 5=15292, Superconducting properties of AuPb<sub>3</sub>
 Catala, J. + 5=10079, Radioactive precipitation
 Catalan, L. 5=9883, Reflectivity of thin film and substrate
 +Catalano, E. 5=15431, EuF, magnetic, chemical properties
 +Catalina, F. 5=12033, Glass surfaces
 +Catchpole, R. M. 5=7636, Inclination of Jovian NH, lines
Catchpoole, J. R. 5=13236, Dissociation rates for ozonosphere
Catchpoole, J. R. 5=13237, Atmospheric ozone measurements
Caterall, R. + 5=11853, Ion pair in metal-NH3 solutions
Catherall, D. + 5=11779, Flow past plate
Cathey, L. + 5=4059, Surface barrier Si diode
Catlin, A. + 5=3544, Apparatus for vacuum cleaving
Catterall, J. A. + 5=1632, Superconducting behaviour of Nb
      crystals
Catura, R. C. 5=14472, Internal conversion spectrometer
Cauchois, Y. + 5=5540, Nuclear photoactivation of nidium
+Caulfield, D. 5=3382, Opalescence of binary mixtures
Caulfield, H. J. 5=199, Contact potential in thermionic converters
+Caulfield, H. J. 5=201, Electron temperature in Cs converters
+Causse, J. P. 5=2571, Photon scintillator
Cavaleru, A. + 5=1161, Adsorption and desorption in vacuo
Cavaleru, A. + 5=1281, Adsorption measurements in vacuum
Cavalleri, G. 5=5957, Drift velocities in spark fields
+Cavanagh, P.E. 5=2810, Optical model of 30 MeV p-scattering, II.
 +Cave, W. T. 5=14194, Arc chamber for spectral excitation
+Cavin, O.B. 5=12019, Monoclinic-cubic transformation in ThC2
Cazzola, P. 5=462, Perturbation theory +Cecchi, A. 5=10583, Zeeman effect in n.q.r.
Cederberg, J.W. + 5=2991, Rotational magnetic moments +Cederberg, J.W. 5=11598, Nuclear interactions of F<sub>2</sub>
Celeghini, E. + 5=623, η lifetime
+Celiński, Z. 5=4889, Plasma velocity in m.h.d. generator
+Celitans, G. J. 5=9080, Oxygen quenching of positronium
Celli, V. + 5=6032, Oscillations of quantum plasma
+Celli, V. 5=1586, Quantum helicon dispersion relation +Celnikier, L. 5=14439, N* resonances
 +Cenja, M. 5=8634, Li<sup>7</sup>(p, \alpha)He<sup>4</sup> reaction at 3.2-5.3 MeV
+Censor, D. 5=7729, Two-dimensional multiple scattering
+Ceontea, N. 5=10966, Ceramics in betatrons
 Cercignani, C.+ 5=3274, Problems in kinetic theory
Ceresara, S. + 5=9220, Al-Zn pre-precipitation rate
 Ceresara, S. + 5=12348, Point defects in Al-Sn
Ceresara, S. + 5=12642, Cold-worked Al resistivity
+Ceresara, S. 5=14926, Preprecipitation in Al-Mg
 Cerf, R. + 5=9110, Macromolecule solution birefringence
 Cerf, R. 5=11477, Interaction of field with matter
Cermák, J. 5=1348-9, Focusing of X-ray diffraction lines
 +Cermak, J. E. 5=1159, Diffusion from line source
 Cerny, J. + 5=5523, T=2 states in T=0, 1 nuclei +Cerny, J. 5=5687, C^{12}(\alpha,d)N^{14} reaction
 Cerny, J. + 5=8514, Completion of mass-9 quartet by C<sup>12</sup>(He<sup>3</sup>, He<sup>6</sup>)C<sup>9</sup>
 +Cerny, J. 5=11193, Isobaric multiplets
 +Cerny, J. 5=14388, Particle identifier technique
 +Cerny,J., III. 5=5267, Z=1, 2 particle identifier, > 10 MeV
 +Certier, M. 5=9946, Luminescence of CuCl at low temperatures
 Cesjka, D. A. + 5=10014, H_2O_4 heat of decomposition Cess, R. D. + 5=7873, Radiation heat transfer
 +Cester, R. 5=11107, Branching ratio of \tau' decay
 Ceulemans, H. + 5=11330, n-resonances in HF, Tm and Dy
 +Chaban, A. A. 5=15031, Optical phonon amplification
Chaban, I. A. 5=13948, Parameters of microinhomogeneous media
 Chaban, I. A. + 5=15031, Optical phonon amplification
 Chace, W. G. + [Ed.] 5=10449, Exploding wires. Vol. 3
Chachaty, C. + 5=7214, E.S.R. of alcohol glasses
Chachaty, C. + 5=9835, Alcohol-trapped radical e.s.r.
+Chacón, E. 5=5481-2, Groups U_{\rm d}\supset U_{\rm d}\supset R_{\rm d} for 2s-1d shell Chacón, E. + 5=5483, Groups U_{\rm d}\supset R_{\rm d}\supset R_{\rm d} in 2s-1d shell Chacón, E. + 5=5484, Effects in interaction model
+Chacon, E. 5=5524, Levels of F18 and O18
+Chacón, E. 5=5527, Levels of Ne^{20}, F^{20} and O^{20} Chadan, K. + 5=2491, Riccati equation and Regge poles
Chadband, W. G. + 5=11897, Pre-breakdown liquid C<sub>8</sub>H<sub>14</sub>
Chadderton, L. T. + 5=2843, Observation of nuclear reactions +Chadha, G. K. 5=9276, Growth of cadmium iodide
+Chadovich, T.Z. 5=1429, Thermal properties of polymers
Chadwick, G. A. 5=6261, Eutectic alloy solidification
+Chadwick, G. A. 5=6355, Lamellar growth: an electric analog +Chadwick, G. B. 5=14439, N* resonances Chagnon, P. R. 5=11356, F^{19}(d,p_{\gamma})F^{20}
Chahal, R. S. \pm 5=11937, H_2O supercooling in glass capillaries
```

```
Chai Zhen-ning 5=4871, Reliability of circuit elements
+Chaika, G.E. 5=12842, Electron distribution in semiconductor Chaika, M.P. + 5=915, Optical pumping in Cs
+Chaika, M. P. 5=8750, Cs and Na excited states
Chaikovskii, E. F. + 5=9507, Cathode sputtering of metals
+Chaikovskii, I. A. 5=12570, Nonradiative recombinations
Chakrabarti, A. 5=5171, Applications of spin tensors
Chakraborty, B. B. 5=13691, Stability of fluid layer
Chali, A. V. 5=14206, Structure of turbid media
Challis, L. J. 5=6875, Superconductivity in Pb
+Chalmers, B. 5=1212, Interaction between particles and interface
+Chalmers, B. 5=3832, Stress-strain curves of Al and Au
+Chalmers, B. 5=3851, Dimensions and easy glide in Au
Chalmers, J. A. 5=13278, Conductivity of air Chalmers, J. A. 5=13280, Further comments
+Chalmers, J. A. 5=13284, Radioactive point in atmosphere
+Chalmers, J. A. 5=15664, Precipitation currents
+Chalmers, J. A. 5=15672, Point discharge
Chalmers, R. A. + 5=8413, p-d polarization
Chalov, P. I. + 5=15647, Nuclear geochronology
Chalvet, O. + 5=14644, LCAO—MO—SCF calculations on borazines
Chamalaun, F. H. 5=13626, Secondary magnetization of sandstones
Chamberlain, J. R. + 5=4243, Fe3+ zero field resonance in
     AlCl<sub>3</sub>6H<sub>2</sub>O
Chamberlain, J. W. 5=13772, Coronal hydrodynamics
+Chamberlain, N.F. 5=3043, Structure of paraffinic chains
+Chambers, D. 5=8923, He continuum afterglow
Chambers, W. G. 5=3683, Magnetic breakdown and US attenuation
Chambers, E.S. 5=7980, R.F. ion source
+Chambré, P. L. 5=5360, Relaxation of a neutron pulse
Chaminade, R. + 5=652, Charged particles in Saclay cyclotron
Champeau, R.J. 5=687, Quadrupole moment of Pu<sup>241</sup>
Champeney, D. C. + 5=10253, Time dilation by Mössbauer
Champlin, K.S. + 5=6915, Comment on "Microwave semiconductor
     measurements"
 Champlin, K.S. + 5=12710, Microwave study of semiconductors
Chan, C. H. + 5=10805, Mass corrections in SU(6) symmetry
Chan, C. H. + 5=11064, The reaction ps + B \rightarrow V + B Chan, F. L. + 5=3440, Homogeneity of CdS-CdSe
+Chan, F. L. 5=12836, Photoconductivity of ZnSe
Chan Hong-Mo. + 5=428, One-particle exchange forces
 Chan, I. Y. + 5=9851, ESR absorption by V2+ in CdCl2
Chan, K. Y. + 5=706, Energy gap in rotational states
Chan, P. + 5=7249, Si e.s.r. broadening by O
Chan, S.I. + 5=372, Quartic oscillator
Chan, S.I. + 5=3048, NMR studies of No.
 +Chan Ta-san. 5=8460, Low energy \pi-\Lambda P_{3/2} scattering
+Chan-Wen-Oi. 5=2560, Isobar state systems and decay modes
+Chan-Wen-Oi. 5=8482, \Lambda by isobars in \pi-p interactions Chan, Y. M. + 5=5743, Calculation of atomic spectra
 Chan, Y.M. + 5=9047, Refractive index of He
 Chan, Y. W. + 5=11197, Magnetic moments of Au<sup>194,195,196</sup>
 +Chance, D. A. 5=15362, GaAs_chip tunnel diode
 Chand, R. 5=11111, Erratum: \overline{K} - nucleon interactions
 Chand, R. 5=11123, Λ-production in K—d reactions
+Chandezon, J. 5=8021, E.P.R. spectrometer
 +Chandler, B. A. 5=6698, BeO properties and structure Chandola, U. C. 5=6062, Flow of two immiscible fluids
 +Chandra, G. 5=760, Decay of Cd115m
 +Chandra, R. 5=10405, Thermodynamics of He<sup>3</sup> and He<sup>4</sup>
      solutions. III
 +Chandra, S. 5=13243, EUV radiation and thermospheric
      temperature
 Chandra, S. + 5=13511, Diffusion in upper atmosphere
 Chandra Pande, G. 5=10516, Hydromagnetic flow due to rotating
 Chandrakar, K. + 5=11628, Starting of ring discharge
 Chandrasekhar, S. + 5=7598, Oscillations of gaseous masses
 +Chandrasekharan, V. 5=10724, Polarisers and quartz
      birefringence
 +Chandrasekharan, V. 5=15544, Dichroic absorption of calcite
 +Chandross, E. A. 5=11893, Electroluminescence in aromatic
      hydrocarbons
 Chandross, R. 5=1359, Phase of Al trifluoride monohydrate
 +Chaney, P. E. 5=3396, Melting of KNO3
 +Chang, A. 5=3259, Nonsteady two-phase flow
+Chang Chieh-Chien. 5=7993, Magnetohydrodynamic Couette flow
 Chang Chi-jen + 5=8515, Potential and binding energies
 Chang Chi-jui. + 5=15296, Superconduction of Pb—Sb alloys
 +Chang Chung-Po. 5=13949, Wave propagation at irregular
      interface. I
```

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+Chang, C.S. 5=8137, Ge i.r. interferometer
Chang, D. B. 5=5970, Landau damping
Chang, F. C. 5=11253, Alpha clusters
+Chang Feng-wu. 5=5760, Ground state of lithium
Chang Hua. 5=8868, Band structure of mechanics
Chang, I. C. + 5=7226, Er<sup>3+</sup> e.s.r. in Ca[Sr]O
+Chang, J. Y. 5=9707, Electrical resistance of ferrocene
Chang, L. L. 5=3708, Diffusion of Zn in III-V compounds Chang, L. L. + 5=6956, n-n Heterojunction interface
+Chang Li-yuan. 5=1152, Virial coefficients of H
Chang, N. C. + 5=4305, Spectra of Eu<sup>3+</sup> in Y<sub>2</sub>O<sub>3</sub>
Chang, R. + 5=5900, E.S.R. of stilbene anion radical
 +Chang, R. 5=9408, Diffusion in BeO
 +Chang Run-Hwa. 5=5666, Neutrons due to Ca μ-capture
 +Chang, T. N. 5=11921, Colloidal hydrated Ca silicates. II
Chang Te-Tse. 5=4246, E. S. R. of Mo5+ in rutile
 +Chang Tsing-lien. 5=6168, Thermal expansion of H<sub>2</sub>O<sup>18</sup>
+Chang Tsung-yeh. 5=7809, Fermi system with equal spacings
Chang, T.S. 5=8244, Inelastic amplitudes in Lee model
Chang, T.S. + 5=10520, Dissipative vortex flow
 +Chang Tung-fa. 5=5760, Ground state of lithium
Chang, T. Y. + 5=7053, Emission from Ti and Ti—D surfaces +Chang, W. S. C. 5=10351, Interferometric radiometry
Chang, Y.F. + 5=637, Strange-particle production
 +Chang Ying-ping 5=5631, Resonance levels of Na<sup>23</sup>(p, \alpha)
 Chang Yon-won. 5=6788, Electron-phonon scattering in Ge
 +Chanin, L. M. 5=1054, Ionization coefficient in D
Channing, D. A. + 5=6660, Xe<sup>133</sup> ions in gold
+Chanter, J. B. 5=10734, Latent-image formation
Chantry, G.W. + 5=2969, Interferometric raman spectroscopy
 +Chao, C. C. 5=6260, Solid solutions in Al-Mg alloys
 +Chao Chung-Yao, 5=5631, Resonance levels of Na23 (p, a)
 +Chaos, F. 5=6100, Boltzmann equation for dense gases
 +Chaos, F. 5=6101, Transport coefficients for dense gases
 Chaos, F. + 5=6103, Expansion of transport coefficients
Chapelle, J. + 5=3159, IR radiation from Ar plasma
 +Chapelle, J. 5=6013, Plasma jet temperature measurement
+Chapellier, M. 5=1232, Temperature of spin of nucleus
Chapman, A. T. + 5=11946, Volatility of UO<sub>2xx</sub>
Chapman, F. W. + 5=4971, Earth-ionosphere cavity resonances
Chapman, K.R. + 5=656, He3 from D interactions
Chapman, K. R. + 5=568, p + p \rightarrow d \times \pi^* at 990 MeV
Chapman, P. K. + 5=7710, Superconducting suspension for
      accelerometer
Chapman, R.A. + 5=201, Electron temperature in Cs converters
Chapman, R.A. 5=1705, Work function of aluminum electrodes
+Chapman, R. M. 5=357, Spectral sensitivity of crab
Chapman, R. P. + 5=7475, Backscattering strength of ice +Chapoton, A. 5=9167, Activation of relaxation in Si gels Chappel, R. M. 5=10194, Bonding of electrical leads to Ge
Chaputovich, E. E. 5=6796, Forbidden gap width in Te
Charap, J. M. 5=14295, Proof of Levinson's theorem borazines
 Charap, S. H. 5=4176, Spin-wave interactions in ferromagnet
Charap, S. H. 5=6570, Spin-wave thermal conductivity
 +Charbonnier, F. M. 5=3524, Adsorbed Cs on metals
Charbonnier, F. M. + 5=7048, Nottingham effect in emission
 +Chari, M. S. R. 5=3897, Electronic transport in noble metals
Chari, M. S. R. + 5=3971, Lorenz parameter in Al alloys
 Chari, S. S. 5=15149, Eyring flow for C rods
+Charig, J. M. 5=9299, Epitaxial Si on quartz
 +Charikov, B. A. 5=7369, Optical properties of Ti, Zr and Co
 +Charles, R. J. 5=1999, Metal impregnation of glasses
 Charles, R. J. 5=6337, Phase separation in borosilicate glasses
 charles by, A. 5=9258, Cross-link formation in polyethylene Charlier, A. + 5=4894, E. S.R. measurement of susceptibility Charlot, J. M. + 5=12200, The (110) plane of Cu
 +Charlton, G. R. 5=11090, π -p interactions
 Charnaya, F. A. 5=13977, Amplifier for ballistic measurements
 Charney, E. + 5=11578, Molecular vibrations of quinones. II
 +Charney, E. 5=11579, Molecular vibrations of quinones. III
 +Charney, E. 5=11582, Molecular vibrations of quinones. VI
 +Charon, J. 5=9753, Spectral sensitivity for photomultipliers
 +Charru, A. [Ed.] 5=7206, Magnetic resonance and dielectrics
 Charvin, P. 5=7680, Forbidden coronal lines
 +Chasan, B. 5=776, Nuclear resonance fluorescence
 +Chase, A. B. 5=3534, Twinning of crystals
 Chase, A. B. 5=6370, Growth of \beta-Ga<sub>2</sub>O<sub>3</sub> by Verneuil technique
 Chase, C.E. + 5=4862, Ultrasound propagation in liquid He
Chase, G.A. + 5=3390, Equilibrium in TeO_2-V_2O_5 +Chase, L. F., Jr. 5=11177, Search for H<sup>a</sup> and Li<sup>2</sup>. Chasman, C. + 5=11220, \gamma-Rays from low F<sup>18</sup> levels
 +Chasman, C. 5=2720, Spin parity of C15
```

Chasman, C. 5=2737, Parity of Be¹¹ Chasnikov, I. Y. 5=5285, Ionization losses in emulsions Chatelain, A. 5=7255, E.P.R., study of sulphur hâtelain, A. 5=9849, ESR in irradiated S hattarji, D. + 5=11200, De-excitation y angular distribution hattarju, P. P. + 5=15643, Deformation in earth model hatteriee, A. 5=5652, Shell effects in 14 MeV (n, p) hatterjee, R. + 5=12875, Magnetic properties of Cs₂CuCl₄ hatterjee, R. N. 5=13840, Torsion of a plate hatterjee, S. + 5=9601, Band structure of silver Chatterjee, S. D. 5=11156, Bursts of cosmic rays Chatterjee, S. D. 5=15688, Radon content of rainwater hatterji, A. K. 5=1651, Semiconduction in kaolin hatterton, P. A. + 5=8945, Attachment in CO₂, CO, air and He-O2 hau, N. N. 5=14153, Internal modulation of gas laser haudhuri, A. P. + 5=1467, Dislocation pinning in CaWO₄ crystals Chaudhuri, B. 5=9361, Crystallographic data of Di (o-phenyl azophenyl) disulphide and pyridine picrate Chaudhuri, N. + 5=11068, Knock-on e by cosmic-ray μ Chaudhuri, N. 5=15338, Te electrical and galvanomagnetic properties Chaudhury, B. 5=1342, Optical Fourier synthesis haudhury, T.K. 5=3286, Liquid flow in a curved pipe-Chaudri, M. M. 5=8955, Ionization of mercury Chaudri, R. M. + 5=8955, Ionization of mercury Chaudron, G. 5=9492, Cu polygonised state formation Chaussy, J. 5=6553, Specific heats of NLa and NNd -Chavanel, H. 5=14847, Measuring thermal conductivity of liquids -Chavanon, Ph. 5=14541, π-nuclear scattering haves, A. Alvin de Rezende. See Alvin de Rezende Chaves, A. Chebotaev, V. P. 5=14818, Gas pressure by electron scattering Checcacci, P. F. + 5=10596, Laser resonator
Checcacci, P. F. + 5=13429, Total ionospheric absorption Chechel'nitskii, G. G. 5=12446, Damping of torsional oscillations chechernikov, V. I. + 5=4164, Gd-Ce magnetic properties chechernikov, V. I. + 5=4166, Gd-Te[Er] magnetic properties Chechernikov, V. I. 5=15499, Resonance absorption in Gd—Ce Chechurin, S. N. 5=15408, PbS photoresistors Chédin, P. 5=14470, Intensity of gamma-transitions Cheglokov, E. I. 5=12593, Hartree-Fock equations for crystals Cheglokov, E. I. 5=12606, Valence bands in Se and Te +Chekanov, V. N. 5=14812, Slowing of atoms in gases -Chekhovskoi, V. Ya. 5=1177, Thermal properties of molten corundum -Chekhovskoi, V. Ya. 5=10394, Laboratory furnace up to 3000°C -Chelnokov, L. P. 5=10927, Pulse time-amplitude analyzer -Chelnokov, N. I. 5=7885, Flame propagation in flows Cheltsov, V. F. 5=15202, Radiative transitions in semiconductors Chen, A. + 5=8271, Orthogonality constraint and collisions Chen Chi-chiang. + 5=10095, Geomagnetic field reversal Chen, C. H. + 5=11231, Energy levels of Pm¹⁴⁹ Chen, C. W. + 5=12132, Epitaxy in films of EuS -Chen Dia-Pin. 5=1318, Epitaxy on α -SiC faces Chen, F. F. 5=11722, Computations for ion probe Chen, F. F. 5=11725, Langmuir probes -Chen Hsiao-shen. 5=6422, Space group selection rules Chen, H. S. + 5=9450, Edge dislocation dipoles +Chen. I. 5=7257. Spin resonance of SnO₂: V Chen, I. + 5=7258, Superhyperfine structure in SnO₂: V⁴⁺ Chen, I. + 5=7259, E.S.R. and E.N.D.O.R. of cubic CdTe: Mn²⁺ Chen, J. C. Y. 5=2940, Erratum: electron scattering by molecules. II. Chen, J. C. Y. + 5=11405, Errors for atomic quantities Chen, J. H. 5=6793, Energy levels in CaF₂ Chen Kun-Mu. 5=11679, Source equations in plasma Chen Kun-Mu. 5=13630, Space vehicle electroacoustic waves Chen, K. W. 5=8387, Neutron and proton e.m. structure +Chen Ning-chiang. 5=6957, Gallium arsenide p—n junctions Chen Ning-chiang. 5=6969, Germanium Esaki diodes Chen, S. H. 5=15034, Lattice dynamics of molybdenum Chen, S. H. + 5=15037, Lattice vibrations of W Chen Shi-kang. 5=4902, Electron motion in magnetic field Ch'ên Shih-kang. 5=10301, Kinetic coefficients in quantum statistics Chen Sho-min. 5=7260, E.S.R. of Na₂O-V₂O₅-P₂O₅ Chen Shchien-Tsyn+ 5=1318, Epitaxy on α -SiC faces then Tao. 5=4436, Radio waves in tunnels Chen, T. Y. + 5=8393, Double focussing β -spectrometer

Chen Yung-san. 5=15661, Atmospheric general circulation +Cheng Chang-hwa. 5=6262, Study of Alnico alloys +Ch'êng Ling-yen. 5=10986, Scintillation (n, \(\gamma\))-detector +Ch'eng Ling-ven. 5=11046. Scintillation detector Ch'êng Wan-ying. See Chen Van'-in. Cheng Wen-Kwei 5=5319, Neutrino e.m. form factor Cheng Yu-lian. + 5=9614, Magnetoresistance of hopping process Chenkin, B. S. 5=7827, Elastic spherical wave reflection +Chenon, M. T. 5=8021, E.P.R. spectrometer +Chentsov, N. N. 5=11048, Neutron spectrometer +Chentsov, Yu. V. 5=7965, Discernibility of Fresnel rings +Chentsov, Yu. V. 5=10496, Mirror-raster electron microscope +Cheo, P. K. 5=2287, Recovery time of pulsed laser Cheo, P.K. + 5=2288, CO and Na pulsed lasers Cher, M. + 5=1916, Radiolysis of cyclohexane-cyclohexene-1-14C +Cheremisinov, V. P. 5=2976, Electronic transitions in the NO +Cheremushkina, A.V. 5=1613, Hall effect in ferromagnetic metals Cherepanov, V.I. + 5=13043, Spectrum of Cr³⁺ in spinels +Cherepanov, V. I. 5=14907, Energy of ion in crystal +Cherepanov, V. I. 5=15567, R-lines in ruby spectrum +Cherepin, V. T. 5=1272, Carbide phase of steel +Cherkasov, Yu. A. 5=15420, Photoeffect in semiconductors Cherkesov, L. V. 5=11792, Waves in viscous fluid +Chernavskii, D.S. 5=2465, Strong interactions at high energy +Chernets, A.N. 5=6537, U.S. resonance in ruby +Chernev, H. M. 5=8458, π^- -p scattering at 4 GeV/c +Chernomordin, I. F. 5=3552, Purification of Al in zone refining +Chernomorain, I. F. 5=3552, Purification of Al in zone refinither history, N. A. 5=10972, Reaction kinematics with photons Chernoch, J. P. + 5=11651, Xenon flash lamps +Chernogorova, V. A. 5=5666, Neutrons due to Ca μ -capture Chernous'ko, F. L. 5=7554, Stability of precession of a satellite +Chernov, A. A. 5=1297, Morphology of artificial diamond Chernov, A. A. + 5=9260, Crystal growth at macroscopic steps Chernov, A. A. + 5=12092, Growth of macroscopic steps +Chernov, A. S. 5=7765, Anisotropic gravitation equations Chernov, G.M. + 5=2604, Distribution of shower particles +Chernov, I.P. 5=5668, d scattering from Au and Bi +Chernov, Ya. I. 5=15406, Photoelectric p—n junctions +Chernovolenko, A. A. 5=4133, Internal photoeffect in CdS +Chernyi, V.G. 5=6747, Elastic properties of niobium +Chernyshov, A.D. 5=6683, Flow of visco-plastic media +Chernyshov, V.I. 5=11050, Pulses in neutron-counters +Chertkov, A. A. 5=3646, PMR of hydrides of Ti-V Cheroff, G. + 5=15368, Surface conductivity of Si in Si-SiO2-Al +Chéron, B. 5=5785, Hg atom alignment by optical pumping Cherry, W. H. 5=6889, Field and current effects in Nb Sn Chesnut, D. B. + 5=11499, Excimer formation +Chessin, H. 5=7096, Ni-V solid solution properties +Chessin, H. 5=9560, Flow stress in FeCo alloy Chester, C. + 5=4597, Properties of galaxies Chester, M. + 5=1851, Electroabsorption spectrum in Si +Chetal, A. R. 5=14850, X-ray absorption in CoCl₂ solutions Chetkarov, M. L. 5=1695, Theory of photoelectrets +Chetverkina, G. E. 5=12527, Density of Ni—Cr alloys +Chetv'orkina, H. Ya. 5=14916, Ordering in Ni—Cr alloys + Chevreton, M. 5=1234, Phases after reduction of U3O8 Chevreton, M. 5=4900, E.M. field superenergy tensor Chevreton, M. 5=7122, Magnetic structures of Cr_3X_4 (X = S, Se, Te) Chew, G. F. + 5=2556, Strongly interacting particles Chew, G. F. + 5=2647, Small-momentum-transfer scattering Chew, G. F. + 5=5215, Strip approximation Chew, G. F. 5=8279, Nuclear democracy and bootstrap dynamics Chhonkar, N.S. 5=2981, Absorption spectra of Ni⁺⁺ in NiCl₂ +Chi Kuei-chung. 5=10095, Geomagnetic field reversal Chi Li. See Li Chi. Chi Sun. See Sun Chi. +Chiang You-Chien. 5=11667, H+ electron capture in He Chiao, R. Y. + 5=1183, Brillouin scattering in liquids Chiao, R. Y. + 5=6533, Brillouin scattering and u. s. generation Chiao, R. Y. + 5=10601, Self-trapping of optical beams +Chiarini, A. 5=14559, Fission product poisoning +Chiba, R. 5=5531, Ca⁵⁰ decay scheme Chiba, S. 5=9829, Wall effects in YIG Chibisov, M. I. 5=11817, Isothermal motion of gases +Chibisov, M. I. 5=11673, Resonance charge exchange +Chick, B. B. 5=6528, Dislocations and harmonic u. s. generation Chicurel, R. + 5=10236, Elasticity, bending of plates Chidambaram, R. + 5=3653, Neutron-diffraction of K,C $_2$ Q . H $_2$ O Ch'ien Ching-jen. + 5=4969, Non-ideal e. m. waveguides +Chien-Shao-Chun. 5=2560, Isobar state systems and decay modes +Chien-Shao-Chun, 5=8482, Λ by isobars in π -p interactions

refining

Chen Van'-in [Ch'eng Wan-ying]. 5=12087, Impurities and zone

Chen, W. T. 5=13839, Displacement discontinuity in elasticity

```
Chienside, G.C.+ 5=1285, Heats of adsorption on C black
Chiesa, A. Marzari. See Marzari Chiesa, A.
Chigvinadze, D. G. + 5=10471, Printed circuits for memory
      elements
+Chihara, H. 5=1417-18, Heat capacity of CoCl, 2H,O
Chikazumi, S. 5=12880, Physics of magnetism
+Chikhladze, V. L. 5=726, Isomer Te<sup>115m</sup>
Chikovani, G. E. + 5=8329, Track spark chamber
+Child, H. R. 5=7191, Alignment of moments in Pd-Fe Child, M. S. 5=11607, Inelastic molecular collisions
Childers, R. L. + 5=14510, Shielding studies in steel, III
Childress, J. D. + 5=1403, Interactions between elastic waves Childs, W. J. + 5=5772, ^3P_1 and ^3P_2 states of \mathrm{Sn}^{115,117,119}
 +Chilok, A. 5=5225, Solution of kinetic equations
+Chilton, C. J. 5=7515, Earth—ionosphere waveguide Chilton, C. J. + 5=13445, Transequatorial reception
 +Chilton, F. 5=11118, Hyperon production by neutrinos in SU_3
 Chin Tsi-chen. 5=8255, Bosons in weak interactions
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+Ching, B. K. 5=7510, No. O. absorption and photoionization Ching Hung. See Hung Ching.
+Ching Ming 5=5631, Resonance levels of Na^{23}(p, \alpha)
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Ch'ing Yu. See Tsin Yui.
+Chinik, B. I. 5=15496, E. P. R. of Cu groups +Chinn, S. R. 5=9840, Cr^{3+} in Al_2O_3
 Chinowsky, W. + 5=8395, Depolarization of positrons
 Chiotti, P. + 5=11878, Mg-Zn thermodynamic properties
 Chiou, C. + 5=15290, Clustering in superconducting Al-Zn
 +Chipman, J. 5=6313, Ta-C-O, Cb-C-O, and V-C-O systems
 +Chipman, J. 5=9092, Activity of Si in liquid Fe-C-Si
 +Chirikov, B. V. 5=10235, Fermi acceleration
 +Chirikov, N. V. 5=6433, Chromatic error in X-ray diffraction +Chirkin, G. K. 5=12973, E. P. R. of Ce^{3+} in crystals +Chirkin, G. K. 5=12974, Cu^{2+} in NH_4Cl e. s. r. spectrum
 +Chirkina, L. A. 5=12446, Damping of torsional oscillations
 Chirko, V. I. 5=5619, Elastic scattering from nickel nuclei
 +Chirkov, V. I. 5=9923, X-ray K_{85} in TiO 0.83-1.20
 Chirlian, P. M. + 5=6319, Multiple thin-film deposition Chisholm, D. 5=14885, H<sub>2</sub>O forced circulation boiling
 +Chittenden, D. M., H. 5=11270, Decay of Eu157 and Tm174
 Chiu, J. 5=3564, Crystallization of high polymers
 Chiu Ying-Nan. 5=2935, Rotation-electron interaction in
       molecules
 +Chiu, Y. T. 5=11084, \pi p \rightarrow \rho p, \bar{p}p \rightarrow \bar{Y}Y, and np \rightarrow pn
 +Chivers, H. J. A. 5=1947, Ionosphere absorption
 +Chivers, H. J. A. 5=13394, Auroral absorption events
+Chizhevskaya, S. N. 5=14865, Magnetic susceptibility of
       ZnS-type compounds
 +Chizhikova, Z. A. 5=8067, Luminescence of ruby and laser action
 +Chizmadzlev, Yu. A. 5=1910, Structure of metal-salt interface Chkahisa, Y. + 5=6156, Non-Newtonian viscosity of polymers Chlebowska, D. + 5=8580, Fractional parentage coefficients
 +Chmielewska, J. 5=9448, Dislocation tensor from oscillating
      spectrometer
 Cho, J.S. + 5=3937, Electron transfer in Fe-Ni surface
 Chodil, G. + 5=11137, Photomultipliers at high altitudes
 +Chodorow, M. 5=7970, Klystron efficiency
 Chodwra, R. 5=3193, Ignition of a \theta-pinch discharge
 Chognot, M. 5=176, Surface temperatures
 Choi Sang-II. + 5=3941, Excitons in molecular crystals +Choi Sang-II. 5=6813, Triplet excitons
 +Cholet, P. 5=1832, Light beam deflection
 +Chollet, J. 5=593, Electroproduction of \pi^{\circ}
 +Chon, H. 5=7432, Thermodynamics of chemisorption of O on Pt Chong, D. P. + 5=11583, Alternant molecular orbits of C(CH_2)_3
 +Chong, P. 5=4070, EFE effect in sogicon
+Chono, M. 5=13167, Oxygen chemisorption on ZnO
Choong Shin-Piaw, + 5=5771, Absorption spectra of Ag vapour
 Chopra, K. L. 5=6939, Negative resistance in oxide films
 Chopra, K.L. 5=15378, Dielectric properties of ZnS films
 Chopra, K. P. + 5=10056, Eddies in atmosphere
 +Chopra, K. S. 5=6448, Lattice parameters of Al<sub>2</sub>Au
 Chou Hsiu-chi. See Chzhou Syn-tszi.
 Chou Tê-hsiang. 5=1343, F-functions application
 Chou Tê-hsiang.
                        See Chzhou De-Esyan
 Chou, Y. T. 5=12370, Dilation of screw dislocations
 +Choudhary, S. C. 5=9722, Thermoelectric cooling semiconductors
 +Choudhury, A. K. 5=4722, Nonlinear analogue multiplier
+Choudhury, A. K. 5=4880, Response of nonlinear circuit elements
 Choudhury, M. H. 5=5209, Three-particle amplitudes
 Choudhury, S. R. + 5=5418, Model for 959 MeV \delta-meson
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+Chow, B. S. K. 5=11158, Proton flux variation with height Chow, C. K. 5=12787, Asymmetric tunneling characteristics Chow Chiu, Lue-Yung. 5=950, Fine-structure constants of H, Chow Chiu Lue-Yung. 5=8809, H₂ in C³II₄ state +Chow Chuen-Yen. 5=7991, Instability of current-carrying jet Chow Chuen-Yen. + 5=14090, Hydromagnetic instability of fluid +Chow Gou-chen. 5=2219, Charged particles in magnetic field Chow, J. C. F. 5=4805, Attenuation of acoustic waves +Chow, J. G. Y. 5=12509, Fe yield stress twinning effect +Chow, R. K. M. 5=11508, Excitation of $\rm H_2$ Chow, Y. 5=17, Properties of Feynman graphs Chow, Y. + 5=2240, Tensorial Green's function Chow, Y. + 5=5163, Feynman amplitude U-functions +Chowdhury, N. K. D. 5=1671, Minority carriers in junction transistor +Choyke, W. J. 5=13125, Luminescence of 4H SiC +Chrien, R. E. 5=5660, Optical-model neutron cross sections Christ, J. 5=3749, Dislocations in Cu +Christen, M. 5=13174, Electrolytes based on AlLaO₃ +Christensen, C. J. 5=8435, Crystal filters for n and γ attenuation Christenson, J. H. + 5=2540, Spatial accuracy in spark chambers Christenson, J. H. + 5=5435, 2π decay of the K_2° Christian, E. A. 5=4788, Shock-wave energy-spectrum +Christian, R.S. 5=524, Mura electron accelerator VI +Christian, R.S. 5=527, Mura electron accelerator IX Christiansen, W. 5=9016, Seeded-gas plasma source Christofferson, G. D. + 5=5130, X-ray absorption measurement Christophe-Glaume, J. 5=15705, OI emission in nightglow +Christophel, E. 5=8340, Trace width in emulsions Christov, C. + 5=2582, Momentum distribution of neutrinos Chroboczek, J. + 5=3902, Surface recombination in n-Ge +Chromov, G.S. 5=4603, Radio sources at 32 cm Chu, B. 5=6182, Opalescence of polystyrene in cyclohexane Chu, C. K. 5=7830, Shock wave formation Chu Chong-wei. 5=14750, Motion of confined plasma +Chu,S. 5=9364, Crystal structure of o-nitroperoxybenzoic acid Chu Shu-yuan. 5=8259, Singularity in multichannel ND-1 equations Chu, T. L. + 5=6397, Pyrolytic silicon epitaxial films Chu, T. L. + 5=9272, H₂O vapour as Si etchant Chu, T. L. + 5=9444, Structural imperfection in Si Chu, T. L. + 5=12052, Deposition of silica films +Chu, W. 5=630, K-P charge exchange Chu, W. T. + 5=8661, Radiative μ^{-} capture in Cu +Chu, Y. Y. 5=8775, K auger electrons in Br⁷⁹ +Ch'dan Ning-san. 5=12106, CaF₂ crystal growth Chuan, R. L. + 5=9036, Hypersonic low density wakes Chuan Yang Yin. See Yin Chuan Yang. +Chuang Tsiang-lin. 5=3467, Phase diagram of Mo-B system Chuang Yu-chih, + 5=3467, Phase diagram of Mo-B system Chubachi, N. + 5=7840, Ultrasonic amplifier of CdS +Chubarov, S. I. 5=14333, Multidimensional data analyzer +Chubb, T. A. 5=7601, X-ray emission from the Crab nebula Chubb, W. \pm 5=12339, Diffusion in UC Chudaček, I. 5=13097, Intensity of piezoluminescence +Chudakov, V. M. 5=2604, Distribution of shower particles +Chudinova, S. A. 5=6644, Al broadening of X-ray lines +Chudnovskii, A. F. 5=7877, Heat conduction problems +Chudnovskii, A. F. 5=9526, Ternary semiconducting alloys +Chuev, V.J. 5=657, $\text{He}^3(d, t)2p$, $\text{He}^3(\text{He}^3, \alpha)2p$ reactions +Chufarov, G. I. 5=6539, Thermodynamics of ferrite mixtures +Chufarov, G. I. 5=7171, Mg-Mn-Fe ferrite properties +Chugainov, P. F. 5=4574, Observations of flare stars Chukanin, K. I. 5=1934, Atmospheric circulation +Chukanov, V. Z. 5=9721, Thermoelectric semiconductors +Chukichev, M. V. 5=15220, Recombination in n-Si Chukichev, M. V. + 5=11135, Si \(\alpha\)-particle counters +Chukreev, F. E. 5=2740, F¹⁹ nuclear levels Chukreev, F.E. 5=10928, Digital printer for AI-100 Chulanovskii, V. M. 5=11572, Band of CD₃OH +Chulkova, V. K. 5=15462, Magnetostrictive ferrites Chung, A. H. L. + 5=8862, Ground states of conjugated molecules Chung Dae-Hyun. + 5=3862, Elastic moduli of MgO. II +Chung, P. L. 5=9373, Lattice vibration of Mg₂Si +Churilov, G. E. 5=242, 3 cm superconducting resonator +Churin, Yu. A. 5=10924, Tunnel diode pulse shapers Chute, J. H. + 5=12400, Image overlap in electron microscopy Chutjian, A. 5=8794, Coriolis coupling constants Chutjian, A. 5=8805, Molecular structure determination +Chuvilo, I. V. 5=10937, Bubble chamber photographs Chwaszczewska, J. \pm 5=8497, Semiconductor alpha spectrometer Chwaszczewski, S. \pm 5=8419, Pulse neutron source +Chynoweth, A. G. 5=15601, Microwave emission from InSb

Chzhan Shou-sin. 5=5915, E.S.R. of aromatic radical ions hzhou De-Esyan [Chou Tê-hsiang]. + 5=3594, Structure of crystals hzhou Syu-tszi [Chou Hsiu-chi]. + 5=13268, Cloud drop charging iafaloni, M. + 5=10866, S-matrix singularities Ciccariello, S. 5=10827, Lightlike Bethe—Salpeter equation id-Dresdner, H. + 5=1352, Collimator for X-ray diffraction id-Dresdner, H. 5=6451, Crystal structure of turquois Cierjacks, S. + 5=8494. Nonexistence of stable tetraneutrons $fieślak, E, + 5=11024, p [\pi] - Ag[Br], 17-24 GeV$ Ciferri, A. 5=12536, Elasticity of semicrystalline polymers impl, Z. + 5=12729, Semiconducting CuMoO₄ indro, N. 5=795, Protons from Cu⁶³(p, p')Cu⁶³ indro, N. 5=11281, Total reaction cross section

Cini, M. 5=8285, Vertex functions in perturbation theory iobotaru, D. 5=7050, Hollow cathode effect iocchetti, G. + 5=8626, Electron scattering by nuclei Ciok, P. 5=8499, High-energy nuclear jets Clok, P. 5=11024, p $\lceil \pi \rceil$ -Ag $\lceil \text{Br} \rceil$, 17-24 GeV iszewski, R. 5=7095, Neutron diffraction by $\text{Mn}_{\text{s}}\text{Ge}_{\text{s}}$ itron, A. + 5=11086, Pion-proton cross-section itron, A. + 5=14509. Shielding studies in steel, II iulli, S. + 5=619. Mass of $\pi\pi$ state laiborne, L. T. Jr. + 5=3990, U.S. waves in superconducting Al laassen, H. H. + 5=11535, KrF₂ i.r. and Raman spectra ladis, J. B. + 5=13560, Plasma stream in magnetic field laeson, T. + 5=6636, Dislocation mapping laesson, S. + 5=10720, Light scattering instrument laiborne, L. T. 5=15288, Superconducting parameters in alloys Clamen, A. 5=10311, Oscillations of falling discs Clancy, T. M. 5=9144, Conduction processes in liquids and solids Clapier, R. 5=5810, Production of Ar atomic beams lapp, P. C. 5=9775, Theory of ferromagnetism Clarebrough, L. M. 5=12412, Ag stacking faults Clarence, N. D. 5=13300, Whistling atmospherics at Durban Plaridge, R. F. C. + 5=15629, Recoil in metal phenyl compounds lark, A.E. + 5=15052, Dy thermal expansion Clark, A. H. 5=4080, Conductance of Ag halides Clark, A. R. 5=2540, Spatial accuracy in spark chambers Clark, A. V. 5=14810, Thermal relaxation in O with impurities Clark, B.C. 5=688, Nuclear charge distribution in Ca Clark, B. C. 5=11304, Ca⁴⁰ electron scattering lark, C. D. + 5=9955, Reorientation of M-centres in KCl Clark, D. B. 5=7623, Observational result on X-rays Clark, D. B. 5=10169, Jupiter's X-ray flux Clark, G. 5=10160, X-rays in Scorpius and Sagittarius Clark, G. L. 5=8118, Stroboscopic time-resolved spectroscopy Clark, G. W. 5=7262, Yb³⁺ and Er³⁺ e.s.r. in ThO Clark, J. A. 5=3293, Dynamics of gas-vapour bubbles lark, J. B. + 5=3744, Dislocations in Al alloys Clark, J. B. 5=15140, Reversion during cycling of Al alloy lark, J. R. + 5=6486, Crystal structure of ulexite Clark, K. C. 5=11442, Atomic transition probabilities lark, L. + 5=6916, Ohmic contacts for Hall measurements lark, L. B. + 5=14661, Spectra of purine and pyrimidine bases lark, P.O. 5=8102, Multireflector optical resonators lark, P.O. 5=14180, Fabry-Perot resonators Clark, R. A. 5=10551, Radar backscattering clark, T. A. + 5=13385, Auroral activity during solar eclipse Clark, W. L. 5=6386, Growth of TiNi single crystals larke, D. 5=10126, Astronomical polarimeter design larke, D. J. + 5=7975, Hooded-arc sources Clarke, E. M. 5=8962, Impact ionization of O₂ Clarke, F. J. P. 5=9443, Bend zones in MgO Clarke, F. J. J. 5=10739, Luminous-design phenomena Clarke, H. J. 5=7852, Transducer for ocean operation Clarke, J. H. 5=1046, Photoionization larke, J. H. R. + 5=11512, Raman spectra of Hg(II) complexes Clarke, J. S. 5=12030, Surface reflection of X-rays Clarke, W. B. 5=2859, Heavy fragments in Pu²⁴ fission larke, W. B. + 5=15859, Kr isotopes in meteorites Class, C. M. 5=8672, The Ca⁴⁰(d, p)Ca⁴¹ reaction laudin, P. + 5=4721, Hall analogue multiplier Clauer, A. H. 5=3838, Solutes and damping of Cr Clauer, A. H. 5=12526, Ni—ThO, creep fracture laus, H. + 5=7354, Isochromats of Pt metals ay, C.S. + 5=4441, Reverberation from sea surface layton, A. J. 5=2864, PIP2 programme for lattice cells layton, C. G. + 5=1146, Mass flow and velocity of gas layton, D. D. 5=13725, Stellar winds and cluster ages layton, D. D. 5=15824, Z ~ 90 solar system abundances

Clegg, A. B. 5=565, Excitation of nucleon isobars Clegg, A. B. 5=702, Magnetic dipole transitions +Clegg, A. B. 5=8539, Electric dipole resonance of C¹³ and N¹³ Cleland, W. E. + 5=11071, Muonium α structure constant Clement, M. J. 5=15179, Rotating gaseous mass Clement, M. J. 5=15792, Oscillations of rotating gaseous masses Clements, F. K. + 5=8717, Control rod Clerc. G. + 5=13582, Recording rapid magnetic variations Clerc, H. G. + 5=2229, Image characteristics of spectrometers +Clerc, H.G. 5=4916, Electron scattering below 60 MeV +Cleveland, F. F. 5=8866, Substituted methanes, XXXVI +Clever, H. L. 5=9096, Surface tensions of binary mixtures Clifford, C. E. 5=5441, γ dose from distributed Cs¹³⁷ Clifton, D. G. 5=8844, Thermodynamic functions for H₂O(g)⁺ +Cline, C. F. 5=12190, Crystal structure of β -beryllia Cline, D. + 5=628, K⁺ $\rightarrow \pi^+ + \pi^0 + \gamma$ +Cline, D. 5=2672, Leptonic currents in K' decay +Cline, D. 5=8681, O¹⁶ (He³, α)O¹⁵ and O¹⁶ (He³, He³)O¹⁶ Cline, H.E. + 5=12868, Irreversible magnetization of superconductors +Cline, J. E. 5=11273, Decay of long-lived Ho¹⁶⁶ Cline, R. S. + 5=12096, Al—Fe annealing textures +Clingman, D. L. 5=14773, Acceleration of plasmas Clogston, A. M. 5=3922, Impurity states in transition metals +Close, K. J. 5=11828, Flash filament method Closmann, P. J. + 5=11780, Fluid saturation of cores Clottes, G. + 5=9386, Polygonization of pure U Clough, D. J. + 5=9403, Thermal conductivity of irradiated UO₂ +Clough, W. R. 5=3810, X-ray stress analysis Clough, S. 5=4258, N.M.R. in solids conference Clough S. 5=7267. Solid n.m.r. line shapes +Clough, S. 5=8881, Free radical e.s.r. +Cloutier, J.A.R. 5=12214, Thiophene clathrate and Ni(CN) $_2$. NH $_3$. $^{\prime}$ /H $_2$ O +Clow, H. 5=7151, Flux reversal in Ni-Fe films Clunie, D. M. + 5=8056, Optical gain in Ne and He/Ne discharges +Clusius, K. 5=12290, Atomic heat of Bi +Clusius, K. 5=15048, Atomic heat of Mn Clutton-Brock, M. 5=5138, Feynman's kernel +Clyde, A. R. 5=11026, N isobar production by 7.1GeV p Clyma, W. + 5=13258, Radar echoes to digital form Cnare, E. C. 5=13928, Exploding wire detonators Coates, P.B. + 5=2098, Shock tube with driver gas Coates, R. V. + 5=6608, O deficiency in Ca perovskites Cobb, J. K. + 5=12846, Electron and ion emission from metals +Cobble, J. W. 5=9100, Heat capacities of NaReO $_4$ and HReO $_4$ +Cobble, J. W. 5=9101, Heat capacities of HCl +Cobble, J. W. 5=9102, Entropies of ions in solution up to 200° +Cobble, J. W. 5=9103, Calculation of ionic heat capacities Cobble, J. W. 5=9104, Thermodynamics of high-temperature solutions. VI +Cobble, J. W. 5=9105, Heat capacities of cesium iodide +Cobble, J. W. 5=9106, Heat capacities of gadolinium chloride Cobble, M. H. 5=12283, Irradiation and thermal trapping Cobble, M. H. 5=13984, Solution of diffusion equation +Cobine, J.D. 5=8933, Stability of arcs in gases +Coburn, W. C., Jr. 5=5896, Spectra of α , α , α -Trichlorotoluene +Cocconi, V. T. 5=5298, Search for fractionally charged particles +Cocconi, W. T. 5=5400, Resonance production by $\pi + p$ Coche, A. 5=497, Surface barrier detectors +Coche, A. 5=499, Li diode nuclear radiation detector +Coche, A. 5=501, Surface barrier detectors +Coche, A. 5=2510, Scintillation in stilbene +Coche, A. 5=2517, Rectifying in surface barrier detectors +Coche, A. 5=8622, $C^{12}(\gamma,3\alpha)$ at 17.6 MeV energy +Coche, A. 5=13096, Emission spectra of organic scintillators Cocho, G. 5=10785, Unitary or octal symmetry? Cochran, J. A. 5=10590, Eigenvalues laser theory +Cochran, J. F. 5=9628, Magnetomorphic effects in Ga Cochran, R. V. + 5=2067, Kirkwood superposition approximation Cochran, W. 5=12743, PbTe dielectric constant +Cochrun, B. L. 5=7513, Day-time aurora Cockayne, B. + 5=3746, CaF₂ growth Cockayne, B. + 5=9535, Slip deformation in CaWO₄ Cockayne, B. 5=12107, Growth of CaWO₄ crystals Cockayne, B. + 5=14970, Growth of calcium aluminate crystals Cockayne, B. 5=15546, Light scattering centres in CaWO₄ +Cockcroft, M.G. 5=1508, Coefficient of friction of metals Cocks, M. 5=12506, Frictional interaction of In surfaces Cockshott, C. P. + 5=6963, Reversal of Si p-n junctions Codegone, C. 5=15064, Thermodynamics of $\mathrm{CH_4}$ down to 30°K Codegone, C. 5=15065, Thermodynamics of $\mathrm{H_2O}$ down to $-100^{\circ}\mathrm{C}$

leary, J. 5=14041, Diode-regulated d.c. supplies

Codling, K. + 5=10963, "Synchrotron light" +Cody, G. D. 5=6881, Resistivity of Nb₃Sn Cody, G. D. 5=6883, Superconducting penetration depth of Nb₃Sn +Cody,G.D. 5=6884, Superconducting energy gap of Nb₃Sn Cody, G.D. + 5=6886, Superconducting properties of Nb₃Sn Coester, F. 5=10852, Relativistic particle scattering Coffey, D. M. 5=6015, Impedance method for plasma column +Coffeen, T. 5=10163, Polarization of lunar surface Coffey, H. T. + 5=7952, 100 kG superconducting magnet Coffin, D. O. 5=1144, Charcoal trap Coffin, L. F., Jr. 5=3589, Pyrolytic graphite Coffin, L. F. Jr. 5=6761, Cyclic strain and fatigue of steel Coffman, M. L. 5=13923, Exploding wire 1st picosecond +Coghen, T. 5=8498, Momentum transfer in cosmic ray jets Coghen, T. + 5=8499, High-energy nuclear jets +Cohen, A.J. 5=6646, Color centers in glasses +Cohen, B. G. 5=13115, Injection mechanisms in GaAs +Cohen, B. L. 5=8537, 18 New isomers by d bombardment Cohen, B. L. 5=14232, Potential barrier penetration Cohen, C. J. + 5=7640, Libration of Pluto-Neptune Cohen, C. J. + 5=10173, Libration of Pluto to Neptune Cohen, E. G. D. 5=4772, Generalized Boltzmann equation Cohen, E. G. D. + 5=6106, Transport coefficients Cohen, H. + 5=653. Source of tritium Cohen, I.B. 5=4702, Newton, Hooke, and 'Boyle's law' Cohen, J. 5=4075, Conduction in insulating films Cohen, J. 5=9192, Pt-Si compression bonds Cohen, J. + 5=547, 4π ionization chamber Cohen, J. 5=10946, Ionization measurements in nuclear emulsions + Cohen, J. B. 5=12001, Order in Cu_3Au and $Cu_{72}Au_{23}$ Cohen, M. G. + 5=5031, Electro-optic gratings for light Cohen, M. H. + 5=6334, Metastability of amorphous structures Cohen, M. H.: 5=6855, SCF theory: Gor'kov factorization Cohen, M. H. 5=13448, Magnetoionic calculations near transverse region +Cohen, M.S. 5=12764, n-transmutations semiconductor doping Cohen, R. L. 5=1942, Equatorial electrojet +Cohen, R. L. 5=9840, Cr³⁺ in Al₂O₃. Cohen, R. L. 5=11975, Mössbauer effect in Dy¹⁶⁰ Cohen, R.W. + 5=6884, Superconducting energy gap of Nb₃Sn Cohen, S. G. + 5=1239, Mössbauer effect in Ta¹⁸¹ +Cohen, V. W. 5=14602, Hyperfine structure of Lu^{176m} Cohen-Addad, C. + 5=6446, H-atom positions in Al₂O₃, 3CaO, 6H₂O Cohen-Addad, J. P. 5=7265, Two-quanta resonance of nuclear spin Cohen-Addad, J. P. 5=8888, Nuclear quadrupole relaxation Cohen-Addad, J. P. 5=13882, Nuclear spin system Cohen-Solal, G. W. + 5=1834, Polarizability of OH oscillator in Hambergite Cohn, M. + 5=4944, Sommerfeld e. m. wave excitation +Cojan, J. L. 5=5785, Hg atom alignment by optical pumping +Cojocaru, L. N. 5=15331, Electrical properties of Ni O +Colburn, D. S. 5=13754, Interplanetary MHD shock Coldren, A.P. + 5=3857, Strength of Fe-rich Fe-Mo-B +Cole, B. L. 5=353, Recognition of road traffic light Cole, E. A. B. 5=6781, Charge-carrier densities Cole, F. T. + 5=519, Mura electron accelerator.I Cole, F. T. + 5=520, Mura electron accelerator II Cole, G. D. + 5=11854, Positron annihilation in liquid crystals Cole, G. S. + 5=9178, Thermal convection during solidification +Cole, G. S. 5=14917, Segregation in tin alloys +Cole, H. 5=1828, X-ray diffraction by crystals Cole, K. D. 5=13339, Magnetosphere ionization at disturbances Cole, K. D. 5=15699, Predawn enhancement of 6300 Å airglow Cole, R. H. 5=8800, Theory of dielectric relaxation Cole, T. + 5=11605, Free radical production in solids +Cole, W. F. 5=4853, Programme temperature controllers Coleburn, N. L. + 5=13100, Shock-induced luminescence Coleman, A. J. 5=6858, BCS theory Coleman, B. D. + 5=9023, Erratum: linear viscoelasticity Coleman, J. A. + 5=4052, Radiation damage in Li p-i-n junctions Coleman, P. D. 5=10529, Cerenkov radiation Coleman, P. J., Jr. 5=13561, Boundary of geomagnetic field Coleman, P. J., Jr. 5=13565, Geomagnetism and solar wind +Coleman, P. J. Jr. 5=13754, Interplanetary MHD shock +Coleman, R. F. 5=7454, U determination by delayed n's +Coleman, R. V. 5=12645, Magnetoresistance of iron whiskers +Coleman, R. V. 5=12652, Ag film magnetoresistance Coleman, S. 5=20, Clebsch-Gordan series for SU(3) Coleman, S. + 5=442, Eightfold way. II. Baryon masses Coleman, S. + 5=5217, Weak interaction transformations Coles, B. A. 5=4978, Magnet systems for e.s.r.

+Coles, B. R. 5=1637, Superconducting transition of zinc alloys +Coles, G.W. 5=1633, Flux trapping in Nb-Sn Colgate, S. A. + 5=11746, Plasma bounded by end plates Collard, J.C. + 5=6954, Capacitance of p-n junctions +Colle, P. 5=585, Spectral analysis of neutrons +Colley, D. C. 5=8450, Exchange in π^+ p \rightarrow p $\pi^+\pi^0$ at 4 GeV/c Collette, R. 5=4184, Néel walls in ferromagnetic films +Collie, C. H. 5=8648, Neutron capture of B Collier, J. R. + 5=14097, Plane waves in moving medium Collier, R.D. + 5=2105, Phase relations in acoustic signals +Collier, R.S. 5=6853, Paramagnetism and superconductivity +Colligiani, A. 5=10583, Zeeman effect in n.q.r. Collin, H. L. + 5=13259, Errors in precipitation current Collings, E.W. + 5=12874, Properties of Mg-Mn-Al alloys Collins, A. C. + 5=15151, Compressive strength of graphite Collins, G.B. + 5=503. Doped silicon junctions +Collins, H. 5=2895, β -Ray stimulated X-ray spectra Collins, J. F. 5=15666, Colour temperature of daylight Collins, J. G. + 5=3693, Thermal expansion of solids Collins, J. L. + 5=2109, Acoustic pressure transducer +Collins, L.F. 5=3384, Optics of multilayer colloids Collins, M.F. + 5=7126, Magnetic moments in transition alloys Collins, P.D.B. 5=477, Scalar meson Collins, P.D.B. 5=4674, Atomic levels and coronal lines Collins, P.D.B. + 5=10187, Solar coronal lines Collins, R. L. 5=11969, Ferocene electric-field gradient Collins, S. A., Jr. 5=5052, Analysis of optical resonators Collins, S. A., Jr. + 5=8043, Triangular optical resonator +Collins, W. E. 5=7863, Auditory fatigue +Collinson, A. J. L. 5=5134, Be window for X-ray tube Collis, R. T. H. + 5=4473, Radar echoes from atmosphere Collis, R. T. H. + 5=13247, Laser radar echoes from atmosphere +Collongues, R. 5=178, Plasma furnace +Collongues, R. 5=14908, Structure of Sr, Zr, OS, 2 Colombo, G. 5=4523, Motion of explorer XI +Colombo, L. 5=976, Spectrum of anthracene Colombo, R. L. 5=1532, Elastic constants of MgO Colombo, R. L. 5=12340, Inert gas diffusion in UO, Colominas, C.B. + 5=6458, Study of FeCr₂S₄ by neutron diffraction Colón Vela, M. 5=8217, Isospin multiplets +Colpa, J. P. 5=2943, Scheibe's rule and SCF theory +Colson, J. P. 5=3489, Computation for drude equations +Colton, D. R. 5=3400, Alloy freezing in magnetic field +Colton, D. R. 5=3712, Diffusion in a magnetic field +Colvin, R.V. 5=1435, Thermal conductivity and electrical resistivity of Tb +Colvin, R. V. 5=7096, Ni-V solid solution properties Colvin, R. V. + 5=12876, Magnetic susceptibility of cobalt Combrisson, J. 5=8306, Nuclear polarization targets +Comeaux, A. R. 5=7978, Source for metal ions Comes, F. J. + 5=1066, Ionization continuum of He, Ne and Ar Cometto, D. J. + 5=12025, Zr—Nb ω transformation +Commins, E. D. 5=11261, β -decay and magnetic moment of Ar³⁵ Common, A. K. + 5=5440, Non-mesic interactions of K⁻in He +Compton, J.P. 5=1231, Orientation of Ir191m in Fe +Compton, J. P. 5=14506, Nuclear polarization of Ir192 +Compton, V. B. 5=6893, Superconductivity in alloy systems +Compton, W. D. 5=6647, Color centers in KCl and KBr +Comsa, G. 5=1161, Adsorption and desorption in vacuo +Comşa, G. 5=1281, Adsorption measurements in vacuum Comstock, R. L. + 5=1787, Magnetoelastic waves in Li ferrite +Comstock, R. L. 5=4209, Properties of Li ferrite Conard, J. 5=6329, Hydrogen gas adsorbed on carbon Conard, J. 5=7275, N.M.R. in carbon series Conard, R. + 5=5277, Amplifier for pulse counter Condell, W. J. 5=320, Propagation through media Condit, R. H. + 5=9406, Diffusion of O in metals Condo, G. T. + 5=8657, Nuclear capture of K Condon, E. U. 5=14195, Light absorption and intensity +Cone, A. A. 5=8387, Neutron and proton e.m. structure Conforto', A. M. + 5=13315, Artificial radioactivity in Autumn 19 Conger, R. L. 5=4185, Domain shape in thin films Conjeaud, M. + 5=8644, Scattering of 14.6 MeV n by S Conkie, W. R. 5=8734, Atomic physics calculations Conklin, G. E. 5=4085, Dielectric loss in polyethylene Conklin, J. B., Jr. + 5=9600, Energy bands in PbTe +Conlin, E. T., II. 5=6369, Formation of diamond. III. +Conner, J. P. 5=15867, Electrons at 17.7 earth radii Connolly, J. H. 5=6087, Acoustic propagation in ideal gases +Connolly, P. L. 5=2658, Decay modes, properties of X° + Connolly, P. L. 5=2689, Existence of Ω -hyperon

+Connor, R. D. 5=8603, Decay of Au198

onnor, T. M. 5=1001, Molecular motions Onnors, M.M.+ 5=352, Color sensitivity
Connors, P.I. 5=2557, 1/4e particles in cosmic rays
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Cvetanović, R.J. 5=2909, Deactivation of excited O atoms Cvetanović, R.J. 5=4410, HBr addition to 2-butene-Cyrański, R. 5=14815, Getter-ion pump PTM-2

Cyvin, B. N. + 5=5824, Coriolis coefficients in molecules. III. -Cyvin, S. J. 5=5824, Coriolis coefficients in molecules. III.

Czachowska, Z. 5=8499, High-energy nuclear jets Czachor, A. 5=3902, Surface recombination in n-Ge zaja, W. + 5=1478, Dislocation slip patterns in Si

Czajkowski, M. 5=15403, Photoconductivity of CdS

+Czanderna, A.W. 5=203, High sensitivity susceptibility apparatus Czarnecki, S. 5=13131, S^1-T^0 transitions in aromatic hydrocarbons Czarycki, W. + 5=14815, Getter-ion pump PTM-2

+Czech, T. 5=11695, θ-Pinch shock tubes Czerlinski, G. + 5=8091, Optical detection systems

Czerlunczarkiewicz, B. + 5=963, Neutron scattering on NH,

Czirr, J. B. + 5=11045, Neutron-time-of-flight detector +Czubiak, D. W. 5=8976, Microwave transmission through plasma

+Czvikovszky, T. 5=4415, Ion exchange membranes +Czyz, P. 5=13133, Fluorescein—Al luminophores

Czyż, W. + 5=439, Lepton pairs Czyż, W. 5=14526, Nucleons bound in nuclei

+Czyzewski, O. 5=5298, Search for fractionally charged particles Czyzewski, O. + 5=5391, Production of γ pairs in π^- + Xe

+Czyzewski, O. 5=5400, Resonance production by π + p

+Czyzewski, O. 5=14299, Scattering and 2-body annihilation

+Daane, A. H. 5=1218, Vapor pressures of metals Dabrowski, J. + 5=692, Binding energy of A particle

+Dacal, A. $5=5271, 4\pi$ counters for low activities

Dachs, H. 5=7139, Magnetic structure MnOOH

Daehnick, W.W. + 5=2836, (d, Li⁶) Reactions in C¹², O¹⁶, and F¹⁹

+D'Agati, A. 5=4569, Infrared stellar irradiance Dagens, L. 5=5223, Three-body scattering Dahanayake, C. + 5=11153, He³ primary cosmic rays

Dahl, J. M. + 5=11989, Fe-Cr-S-O subliquidus phases Dahl, J. P. 5=9198, Evjen's method for crystal potentials

+Dahl, O.I. 5=643, S=-2 baryon systems +Dahl, O. I. 5=5426, Decay modes of the 42π

+ Dahler, J.S. 5=3257, Nonstationary diffusion Dahn, E. 5=11293, Photon scattering by Pb

Dai Yuan-ben. 5=5240, S-matrix element analyticity

Dai Yuan-ben. 5=5244, Regge behaviour for scattering

Dai Yuan-ben. 5=5246, Regge poles for Z^{-4} Dai Yuan-ben. 5=10873, S-matrix for a nonlocal potential

Dai Yuan-ben. 5=10882, Class of nonlocal potentials D'Aiello, R. V. + 5=10527, Resonators for microwaves

+Dailey, B. P. 5=1006, Chemical shifts in benzenes Dailey, B. P. 5=3063, Chemical shifts in aromatic hydrocarbons

+Dailey, B. P. 5=3067, Proton chemical shifts of pyridines

Daire, M. 5=6297, Ordering of σ (Fe-V) alloys

+Dakhovskii, I. V. 5=12748, Hall coefficient of Si +Dakhovskii, I. V. 5=15208, Electron scattering in Ge

+Dakin, P. 5=4801, Velocity of sound in air

Dalal, H. M. + 5=9337, Structure of electrodeposited Fe-Zn

+Dalby, D. A. 5=7342, Birefringence in glass Dalby, F. W. 5=1896, CF₂ reaction kinetics +Dalby, F. W. 5=11517, Stark effect on OH

Dale, E. B. + 5=7692, Mounting and electroding semiconductor whiskers

+Dale, F. 5=11624, Joshi effect

Dale, J. W. G. + 5=488, Type 1383A β - γ ionization chamber +Dale, J. W. G. 5=11250, Weighing techniques in radionuclide standardization

Dalgarno, A. + 5=1974, Interstellar gas Dalgarno, A. + 5=4478, Red line of O in airglow +Dalgarno, A. 5=5743, Calculation of atomic spectra

Dalgarno, A. + 5=5750, Polarizabilities Be, B⁺ and C²⁺

Dalgarno, A. 5=7503, Upper atmosphere thermal reactions

+Dalgarno, A. 5=9047, Refractive index of He

+Dalgarno, A. 5=11405, Errors for atomic quantities

Dalgarno, A. 5=13512, Ambipolar diffusion in F-region

Dalgarno, A. + 5=15730, Ionospheric electron temperatures Dalidchik, F.I. + 5=703, Collision of identical nuclei

+Dalinenko, N. K. 5=12857, Louver-type photomultipliers Dalitz, R. H. + 5=5498, π^+ emission in hypernuclear decay

Dallaporta, N. + 5=10840, Weak interactions

Dall'orologio, G. M. D. + 5=7737, Determination of periods

Dallos, P. J. 5=2142, Acoustic reflex +Dally, E. 5=5534, Excited levels of Co⁵⁸

+Dalmas, J. 5=11343, Cu⁶³(n, 2n)Cu⁶² at 14.1 MeV

Dalmasso, C. + 5=12669, Second-order transitions, superconducting cylinders

+Dalpiaz, P. F. 5=5400, Resonance production by $\pi + p$

+Dalrymple, G. B. 5=15756, Geomagnetic polarity epochs

+Dalseide, H. 5=15767, Sun and geomagnetic field +Dalton, J. C. 5=11553, Excitation energy of azulene

Daly, N.R. + 5=1715, Secondary electron coefficients

+Damany, H. 5=10724, Polarisers and quartz birefringence

+Damany, H. 5=15544, Dichroic absorption of calcite

+Damany, N. 5=14592, H Lyman α trapped in solid

```
Damany-Astoin, N. 5=5775, Far u.v. Xe spectrum
+Damany-Astoin, N. 5=14585, Continuous spectra
Damaschun, G. 5=5132, Monochromator for X-ray scattering
+Damask, A.C. 5=1463, Energy of C in lpha-Fe and V Damask, A.C. 5=3707, Radiation diffusion in metals
+Damaskin, B. B. 5=6160, Adsorption on Hg-electrolyte boundary
Damaskin, B. B. 5=12059, Frumkin's theorem
D'Amato, C. + 5=6307, Phase transitions in Nb-U alloys
Damburg, R. Ya. + 5=5795, One-electron scattering theory
Damen, T. C. + 5=11554, Raman scattering from benzene
Damilyuk, Yu. L. + 5=1792, E. P. R. in BaTiO<sub>3</sub>
Damm, C. C. + 5=5997, Convective losses from plasma
Damm, J. Z. + 5=9913, Light induced birefringence in KCl
+Damon, D. H. 5=3531, Crystal structure of PtSb<sub>2</sub>
+Dana, L. 5=5005, Laser radiations in ionized xenon
Dana, L. + 5=14156, Ne, Ar, Xe u.v. lasers
+Danagulyan, A.S. 5=5587, Decay of Nd isotopes
+Danan, H. 5=4894, Paramagnetic susceptibility measurement
Danby, J. M. A. 5=13697, Perturbations in planetary theory
Danby, J. M. A. 5≡13834, Problem of three bodies
Dancy, E. A. + 5=14863, Electrical conductivity of molten
Co-, Ni-, Cu-, Ag-S
Dandl, R. A. + 5=14776, High-beta plasma
+Dändliker, R. [Ed.] 5=14144, Proceedings on laser physics and
     applications
Dandy, D. + 5=8353, Negative ion beam injector
Daneliya, I. A. + 5=1081, Diffusion of plasma
Daneliya, I.A. 5=11745, Ion—acoustic spectrum
Daneu, V. 7 5=10641, Ruby pump energy absorption
+Danforth, W.E. 5=12069, Thorium adsorbed on tungsten
Daniel, A. C. 5=7293, Spin-lattice relaxation of I12
Daniel, H. 5=748, \beta-decay experiments
Daniel, H. + 5=2581, Neutretto rest mass
Daniel, H. + 5=2779, \beta-Ray spectra of In<sup>114</sup>, K<sup>42</sup>, Rb<sup>86</sup>, Sr<sup>90</sup>, and Y<sup>90</sup>
Daniel, H. + 5=8586, Beta decay of Pr144
Daniel, H. + 5=11268, \beta-decay of I<sup>130</sup> \xi-approximation Daniel, H. 5=14391, Compton spectrometer for \gamma-rays
+Daniel, I. M. 5=6689, Fracture in stressed brittle materials
Daniel, M. R. + 5=12280, UO<sub>2</sub> u. s. wave attenuation Daniel, R. R. + 5=2563, "Persisting baryon"
Daniel, R. R. + 5=2607, \rightarrow N<sub>2</sub> \alpha-particle m.f.p in emulsions Daniel, R. R. + 5=11147, Spectrum of cosmic-ray protons
Daniel, V. + 5=7923, Dipole chains in strong fields
Danielian, A. 5=14928, Ordering in solid hydrogen
Daniell, G. J. 5=8010, Ionospheric focussing
+Daniell, G. J. 5=14103, Rays in magnetoionic theory
Danielli, J. F. [Ed.] + 5=14943, Progress in surface science
+Daniels, F. B. 5=13461, Ionospheric oscillations
Daniels, J. M. 5=4223, Demagnetization in rotating coordinate
+Danielson, G. C. 5=9373, Lattice vibration of Mg<sub>2</sub>Si
Danielson, G. E., Jr. + 5=282, Internal gating of lasers Danielson, R. E. + 5=10158, Search for interstellar ice
Danielsson, L. + 5=13559, Plasma flow in magnetic field
Daniloff, R.G.+ 5=143, Differential thresholds for frequency
Danilov, A. D. 5=10175, Onledental unesholds of the Danilov, A. D. 5=7439, Oxide film in Ti passivation +Danilov, O. B. 5=8051, Gas laser oscillation modes
Danil'tsev, E. N. + 5=14371, Lenses for linear accelerators. II
Danilychev, V. A. + 5=14049, Magnetoresistance at He
     temperatures
+Danner, G. 5=13174, Electrolytes based on AlLaO<sub>3</sub>
Danner, H. F. + 5=6513, L. F. molecular vibrations in hexane
Dannhäuser, F. 5=12765, Channel-conductivity of Si-rectifiers
+Danno, A. 5=5959, Fragment ions from carbon dioxide
Danon, J. 5=3431, Transition metal complexes
Danon, J. + 5=12992, E. S. R. of Na nitroprusside
Danos, M. + 5=8533, Nuclear 24-pole deformation
Danyluk, S. S. 5=8895, Signs of Si<sup>29</sup>-H<sup>1</sup> and Si<sup>29</sup>-F<sup>19</sup>
+Danysz, J. 5=5298, Search for fractionally charged particles
+Danysz, J. A. 5=5391, Production of \gamma pairs in \pi^- + Xe
+Danzer, K. 5=4291, I.R. spectra of mixed crystals
Danzer, K. H. + 5=13272, Extinction of solar radiation da Providencia, J. + 5=2712, Correlations in nuclei
Da Providência, J. + 5=14468, Correlation structure of nuclei
Da Providência, J. + 5=14469, Systems with singular interactions
Darby, J.K. + 5=1618, Electron-phonon interation of sodium
+Darcey, W. 5=8549, Collective levels in Cd and Te
+Darden, S. E. 5=8349, Source exchanger for accelerator
+Dardy, H.D. 5=120, U.H.F.u.s. absorption cell +Dargan, C.L. 5=11650, Time lags in SF<sub>6</sub>/air
Darinskii, B. M. + 5=6671, Temperature relaxation in polycrystals
+Darken, L. S. 5=12398, Lattice defects in steel. I
```

```
+Darken, L.S. 5=12399, Lattice defects in steel. II
Darlaston, B. J. 5=4706, Measuring displacements up to 650°C Darling, D. A. + 5=10227, Low-frequency scattering
 +da Rocha Andrade, P. 5=8564, 3/2+ state in Tl<sup>203</sup>
 +D'Arpano, A. 5=11903, NaCl conductance in H2O-ethylene
      glycol
Darriulat, P. + 5=658, Alpha-helium scattering Darriulat, P. + 5=8496, \alpha-He scattering from 53 to 120 MeV
 +Darrow, K. A. 5=12730, Semiconducting diamonds
Darrozès, J. 5=6075, Sliding velocity of perfect gas
Daruga, V. K. + 5=5364, Fast neutrons in sodium
+Darwish, D. A. E. 5=14478, Energy levels of Sc<sup>49</sup>
Das, A. K. 5=7686, Dynamics of solar prominences
Das, G. + 5=6628, Dislocation loops in Al
 Das, J. + 5=2027, Computer for Fourier analysis
Das, J. 5=2190, Signals and informations
Das, M. R. + 5=11585, Free radical e.s.r.
Das, M. R. + 5=11586, Semiquinones spin-density by e.s.r.
 +Das, P. 5=6924, Electrical properties of p-Ge
 +Das, S. K. 5=7497, Radioactive fall-out
Das, S. R. + 5=13276, Color of tropical daylight
 +Das, T. P. 5=3424, Fields in corundum-type lattice
 Dasannacharya, B. A. + 5=6145, Neutron scattering from liquid
Dascola, G. + 5=7356, Faraday effect in KCr alum
Dascola, G. + 5=7357, Magneto-optical effect in KCr alum
Das Gupta, K. 5=1230, Electron resonance in crystals
Das Gupta, M. K. + 5=4655, Solar radio emission
+Dasgupta, P. 5=2027, Computer for Fourier analysis
Das Gupta, S. 5=2744, Even-even nuclei excited states
+Das Gupta, S. 5=11239, Deformation in even-even nuclei
+Dash, J. G. 5=1459, Displacement of impurity atoms
Dashen, R. + 5=2412, Bootstrap theory of octet enhancement
 +Dashen, R. 5=5183, Ne' eman's fifth interaction
Dashen, R. F. + 5=10819, B and \Delta supermultiplets
Dashen, R. F. + 5=10869, Perturbations on strong interactions
Dashevskii, V. M. + 5=7549, Light propagation in universe
+Dashkovskaya, R. A. 5=15541, Absorption spectrum in As_2S_3
+Dashora, T. L. 5=14856, Dielectric relaxation in D_2O
da Silveira, R. 5=14491, Evaporation of charged particles
Dass, G.V. + 5=2634, Non-local \pi-N interaction
+Dass, T. 5=2634, Non-local \pi-N interaction
+Date, M. 5=3420, Fields of Mn2+ and Mn4+ in MgO
 +Date, M. 5=4237, E.S.R. line width of CuF, 2H, O
Datin, A. P. + 5=3014, Valence bond vibration of NH group Datsenko, L. I. + 5=3582, Crystal scanning by X-rays
Datta, B. K. 5=13872, Electromagnetic fields in general relativity
Datta, N. 5=4777, Torsional oscillation plate
+Datta, R. K. 5=12010, Reply to comments on LiAl O_8 transitions Datta, S. 5=4936, Oscillatory hydromagnetic disc flow
Datta, S. K. 5=6132, Elasticoviscous liquid in Couette flow
 +Datta, S. K. 5=6284, Phase change in CoSiF<sub>6</sub>, 6H<sub>2</sub>O
 Datta Majumdar, S. 5=10753, Wave equations in momentum
     space
Datta Mayumdar, S. 5=2394, Lie's equations for rotation group
+Dattner, A. 5=3236, Ionizing wave in a coaxial plasma gun
Datzeff, A. 5=14589, Schrödinger equation of H atom
Dauber, P.M. + 5=2654, Properties of 960-MeV boson
+Daudel, R. 5=8725, Atomic and molecular wave functions
 +Daudel, R. 5=14644, LCAO-MO-SCF Calculations on borazines
 +Dauge, G. 5=13174, Electrolytes based on AlLaO,
Daughton, J. M. + 5=1751, Dispersion in magnetic films
+Daume, E. Ya. 5=8006, Propagation in ferrite-filled waveguides
Daumezon, P. + 5=9138, Permittivity of solutions of dielectrics
 +Daunt, J. G. 5=10398, 3He cryostat
Dautcourt, G. 5=7758, Newtonian theory of gravitation
 +Dautov, R. A. 5=1815, Relaxation of F19 in CaF2
+Dautreppe, D. 5=1496, Internal damping
+Dautreppe, D. 5=9517, Recording of internal friction
Dauvillier, A. 5=1924, Polar migration
Dave, J. V. 5=2078, Theory of radiative transfer
Davey, J. E. 5=3497, Thin film X-ray standard
Davey, J. E. + 5=6322, Structure in textured gold films
David, C. + 5=6410, Structural properties of pyrolytic carbon
+David, C. 5=6411, Properties of oriented pyrolytic carbon
+David, C. W. 5=11665, Photodetachment of chloride
David, D. J. 5=2165, Specific heat and heat of fusion
 +David, E. E. Jr. 5=2143, Binaural lateralization of clicks
 David, R. 5=12277, Ultrasonics in superconducting Al
Davidon, W. C. + 5=2370, Relativistic quantum mechanics
Davidovits, P. + 5=266, Pulsed <sup>87</sup>Rb microwave maser
Davidovits, P. + 5=14142, Rb<sup>97</sup> maser oscillator
+Davids, N. 5=7897, Conduction and diffusion in biological system
```

```
Physics Abstracts 1965 - Part I (Jan.-June)
Davidson, A. D. 5=11559, Iodoalkanes i.r. absorption spectra
Davidson, F. D. 5=13015, "Gratings" for soft X rays
Davidson, G. + 5=2975, Optical radiation from N<sub>2</sub> and air Davidson, G. + 5=5309, Perspex \gamma-dosimeter
Davidson, H. R. + 5=5040, Color of fiber blends
Davidson, J. P. 5=14463, Nuclear rotations and vibrations
Davidson, M. J. 5=13575, Geomagnetic power spectra
Davidson, T. W. + 5=13602, Geomagnetic storms and lunar phase
Davidson, T. W. + 5=15851, Meteor rates and lunar phase
Davidson, W. + 5=4532, 4-Parameter evolutionary models
Davier, M. + 5=5385, \pi^{\circ} production from deuterons
Davies, A. D. + 5=1398, Solid solutions in zinc
Davies, A. J. + 5=5937, Ionization currents and breakdown
    potential
Davies, A. L. + 5=6273, Precipitation in Al—Ag alloys Davies, C. W. + 5=6157, Viscosity of electrolytes. I
Davies, D. 5=12341, Fission gas from UO.
Davies, D. K. 5=1672, Charges on dielectrics
Davies, D. K. 5=9750, Photoelectric emission in He discharges
Davies, G. J. 5=9547, Strength and fracture of CueSns
Davies, G. J. 5=12108, Cu-Sn anomalous segregation
Davies, G. J. 5=12454, Shear stresses in fibre reinforcement
+Davies, H. 5=11067, v-less u decays
Davies, J. A. 5=1491, Ion penetration into W +Davies, J. A. 5=3784, Extinction of (p,\gamma) in crystals Davies, J. M. + 5=10700, Measuring reflectance and
     transmittance
Davies, J. V. + 5=2528, Ferrous sulphate dosimetry
Davies, K. E. 5=2752, 98 keV level in Eu<sup>153</sup>
Davies, L.B. + 5=4593, Densities in gaseous nebulae
+Davies, M. 5=4532, 4-Parameter evolutionary models
Davies, P. W. + 5=9523, Void growth during creep
Davies, P. W. + 5=15175, Stress effects on Ni-Pd creep
Davies, P. W. + 5=12501, Creep of gold
Davies, R.D. + 5=4636, Radio-observation of Saturn
+Davies, R. G. 5=6774, Zn-Ag deformation modes
Davies, R. H. + 5=14813, Transport properties of Alkali vapors
Davies, V. de L. + 5=12482, Al-Si-Mg-Ni stress rupture test
Davies, W. E.R. 5=317, Double-grating monochromator
+Davies, W. E. R. 5=3173, Radiation scattering by plasmas
Davies, W. H. + 5=7454, U determination by delayed neutrons
+Davies, W.T. 5=14439, N* resonances
Davis, B.I. + 5=287, Spiking of ruby laser
Davis, B. L. + 5=6312, High-pressure polymorphs of AgI
+Davis, B. T. C. 5=11930, Pressure and melting of MgSiO<sub>3</sub>
Davis, B. W. 5=9037, Theory of imperfect gases
+Davis, D.D. 5=3094, Molecular motion in elastomers
+Davis, D. H. 5=693, Heavy He hypernucleus
+Davis, D. H. 5=2825, K captures in emulsion nuclei
+Davis, D. H. 5=5499, Decay of heavy hypernuclei
+Davis, D. T. M., Jr. 5=8043, Triangular optical resonator
Davis, G. See Ben David, G.
+Davis, H. L. 5=7182, Sublattice magnetization of CrCl<sub>3</sub>
Davis, H. T. 5=1178, Heats of mixing of fused salts
Davis, H. T. + 5=11884, Heats of mixing
Davis, J. L. 5=3936, (111) surface states of InSb
Davis, J. R. + 5=13436, Eclipse effects upon ionosphere Davis, J. R. + 5=13497, Explosion effects in E layer
Davis, J. R. + 5=15828, Lunar radio-reflection
Davis, L. Jr. 5=13754, Interplanetary MHD shock
Davis, P. A. + 5=13271, Atmospheric H<sub>2</sub>O, CO<sub>2</sub> i.r. transmission
+Davis, S. P. 5=11195, Spin and moments of Hg<sup>193</sup>
+Davis, T. M. 5=13575, Puerto Rico magnetic anomalies
+Davis, T. N. 5=13377, Cinematography of auroral forms
Davis, T. N. + 5=13386, Cinemaphotography of auroras
Davis, W. C. 5=5104, Application of Kerr cell cameras
Davis, W. C. 5=5105, Resolution of rotating mirror cameras
+Davis, W. C. 5=10636, Laser amplifiers
+Davis, W. L. 5=10398, <sup>3</sup>He cryostat
Davis, W. R. + 5=14169, \gamma-ray effects on ruby laser Davison, C. J. 5=7910, Microelectronics symposium, Munich, 1964 +Davison, G. A. 5=5056, Spatial filter synthesis
```

```
Daw, H. A. + 5=10709, Fabry-Perot reflectors
Dawes, W. R. Jr. + 5=14361, Trajectories in spark chamber
Dawood, R. I. + 5=13175, Photodecomposition of PbI
Dawson, G. A. + 5=11643, Streamer propagation model
Dawson, G. A. 5=11644, Lifetime of positive streamers
Dawson, H. I. 5=12502, Metal point defects by straining
+Dawson, J. 5=11697, Radiation in plasma
+Dawson, J. M. 5=10273. Thermodynamics in gravitational
     fields
+Dawson, W. K. 5=8589, C<sup>12</sup> α-breakup
Day, B. D. 5=5487, Reference-spectrum to nuclear surface
+Day, E.A. 5=521, Mura electron accelerator III
+Day, G. F. 5=9862, Ferromagnetic alloys n.m.r. spectra
Day, F.B. + 5=3863, Mechanical behavior of MgO
Day, S. M. + 5=7229, F<sup>19</sup> spin-lattice relaxation in CaF.
+Day, T.B. 5=640, Λ-p scattering cross-sections
+Day, T. B. 5=2686, Sigma leptonic decays
+Day, T. B. 5=2687, Masses of \Sigma, \Sigma^{\circ} hyperons
+Day, T. B. 5=5450, Leptonic decays of charged \Sigma
+Day, T. B. 5=11090, \pi^--p interactions
+Dayal, B. 5=3668, Debye-Waller factors of Cu and Au
Dayal, B. + 5=6518, Phonon spectrum of sodium +Dayal, B. 5=9368, Lattice dynamics of beryllium
Dayal, R.R. + 5=12206, Crystal data on FeAlO<sub>3</sub>
Dayan, E. + 5=8883, N. U. R. study of gases
Dayantis, J. + 5=3378-9, Sedimentation in density-gradient
Daybell, M.D. 5=191, Variable phase circuit
+Dayem, A.H. 5=1625, Superconducting thin film bridges
De, N. 5=10244, Scalar-gravitational fields
de Abreu, M. + 5=14393, Detection of y-rays
+Deak, M. 5=11954, Th evaporation from cathodes
+Deal, B. E. 5=12750, Oxidised Si surfaces
Dean, E.R. 5=1600, Electrical resistivity of alloy films
+Dean, J.W. 5=7713, C resistors as pressure transducers
Dean, P. 5=1409, Vibrations of disordered chains
Dean, P. + 5=3658, Vibrations of disordered lattices
Dean, P. J. + 5=7389, Luminescence in diamond
+Dearborn, E. F. 5=14978, Growth of K tantalate—niobate for
      optics
DeArmond, K. + 5=8841, Bonding in [VOCl<sub>5</sub>]<sup>3-</sup> and [MoOCl<sub>5</sub>]<sup>2-</sup>
 Dearnaley, G. + 5=11318, Resonance in P^{31}(p, \gamma_0)S^{32}
Deaton, B. C. + 5=3900, Open orbits in Cd and Zn
Deaton, B. C. + 5=9174, Melting curves of S, Se and Te
+Deaton, B. C. 5=15339, Group VI B under pressure. II
Dearnaley, G. 5=6662, Ion channeling in Si
+Deaver, B. S. Jr. 5=4002, Quantised flux state ~10<sup>-5</sup> sec
Deb, D. 5=13848, Stress in elastic sphere
Deb, S. + 5=5938, H. F. low pressure breakdown
Debaisieux, J. + 5=8327, Logical sequential surveyor
Debaisieux, J. + 5=11082, \pi^*-p at 500MeV
 +De Barbieri, O. 5=15728, Nonlinear phenomena in ionospheric
      plasma
de Bary, E. 5=4470, Diffuse sky radiation
de Bary, E. + 5=4471, Molecular atmosphere scattering
de Bary, E. 5=10074, Polarization of sky light
+De Batist, R. 5=1474, Dislocation charge in NaCl De Batist, R. + 5=3759, Charged dislocations
De Beer, A. + 5=2789, Decay of Bi<sup>207</sup> to Pb<sup>207</sup>
de Beauregard,O.Costa. See Costa de Beauregard,O.
De Belder, M. + 5=8153, Photographic microreproduction images
+Debever, J. M. 5=2299, Laser action in GaSb
+Debever, J. M. 5=14164, Laser effect in InAs
+Debever, R. 5=13863, Birkhoff's theorem
Debever, R. 5=13864, Gravitational radiation
Debiesse, J. + 5=4841, Study of flames
Debiesse, J. + 5=14743, Flame potentials on gas injection
De Bievre, P.J. + 5=13179, Isotope dilution analysis
De Bitetto, D. J. 5=4207, Anisotropy fields in oxides
+De Boelpaep, J. 5=6218, Vapour pressure of liquid argon
De Boer, J. + 5=6078, Pair correlation function. II. +de Boer, J. 5=8555, Tm<sup>169</sup> e.m. properties
DeBoer, P.C.T. 5=219, Relativistic electron beam +Debray, W. 5=9583, H absorption in Zr alloys
De Broglie, L. 5=237, E. M. waves and photons
De Brucq, D. 5=295, Coherence of light
+de Bruin, S. H. 5=4368, "Orange" centres in ZnS:Ag, Cu or Au
de Bruin, S. H. + 5=9425, Structure of Ag centre in Zns
+Debrunner, P. 5=1238, Mössbauer scattering in Os188
Debrunner, P. 5=8519, Mössbauer scattering
De Bruyn Ouboter, R. 5=2172, Helium three and four
 +De Bruyn Ouboter, R. 5=2180, Isotopic mixtures of solid He
+De Bruyn Ouboter, R. 5=6086, Heat conductivity of He3 and He4
```

+Davoine, F. 5=9937, Electron microscopy of cathodoluminescence Davy, J. G. + 5=3084, H-D kinetic-isotope effect

Davydov, A. A. + 5=12129, Dendrite growth in germanium Davydov, A. S. + 5=5504, Transitions in non-spherical nuclei

+Davydov, L. A. 5=12945, Magnetic spectra of Co—Zn ferrites Davydov, V. Ya. + 5=6317, Hydroxyl groups of silica

Davisson, J.W.+ 5=1471, Imperfections in LiF

Davydov, A. S. 5=6814, Molecular excitons

```
+Debus, G. H. 5=13179, Isotope dilution analysis
Debus, K. H. + 5=13325, Upper atmosphere observations
de Bye.J.A.W.van der Does. See van der Does de Bye.J.A.W.
Debye, P. + 5=3382, Opalescence of binary mixtures
 +de Callejas, N. G. 5=5253, Calibration of ionization chamber
+ de Castro, E.M. 5=3462, NMR of \lambda-anomaly in solid D_2
+Decharge, J. 5=14451, He^{5} disintegration \alpha angular distribution
Deck, R. T. 5=11085, First π-p resonance
Decker, D. L. 5=6567, NaCl at high pressure
Decker, D. L. + 5=14879, Melting and elec. resistance of Au
+Deckers, H. 5=585, Spectral analysis of neutrons
+Deckers, J. M. 5=11612, Supersonic molecular beams
De Coen, J. L. + 5=85, N bosons problem
Deconninck, G. + 5=11042, Neutron flux in moderators
Decorps, M. + 5=10576, Spectrometer for metre waves
+Decque, J. 5=7337, Forbidden band of GaAs films
Dede, K. M. 5=4773, Solution of Boltzmann equation
Dederichs, P. H. + 5=9204, Energetic primary atoms in crystals
 +Dedju, V.I. 5=14414, Check of dispersion relations
De Dominicis, C.+ 5=86, Interacting Fermi systems
+De Dominicis, C. 5=453, Saturation of nuclear forces
+de Dominicis, C. 5=2059, Formulation of quantum statistics
+De Dominicis, C. 5=2069, Theory of Bose liquid
 +Defay, R. 5=10446, Thermodynamics in an electrostatic field
 +Defebvre, A. 5=2333, Phenomenon of Debye and Sears
 +Defebvre, A. 5=4797, A quartz ultrasonic transducer
 +Defouw, R. J. 5=13586, Lunar modulation of geomagnetism
 +Defrain, A. 5=1266, Metastable phases of Ga
Degasperis, A. 5=8280, Multi-channel scattering
+Degeilh, A. 5=7974, Positive ion sources
 +Degeilh, R. 5=12200, The (110) plane of Cu
 +Degeilh, R. 5=12254, Crystal structure of iron cupferron
de Gennes, P. G. 5=6861, Dirty superconductors in magnetic fields +de Giambiagi, M. S. 5=11498, Perturbation expansion for bond
      orders
 +de Giorgio, M.T. 5=13429, Total ionospheric absorption
+Degli Antoni, G. 5=11146, Cosmic-ray electron flux
de Graaf, J. G. A. 5=6764, Brittle fracture in steel
de Groot, S.R.+ 5=210, Maxwell's equations
de Groot, S.R.+ 5=10474, Atomic field equations
de Groot, S.R.+ 5=14058, Derivation of Maxwell's equations
+de Haas, N. 5=1154, Gas thermal conductivity. III.
 +DeHart, R. C. 5=10200, High pressure seal
 +De Heer, F. J. 5=8946, Ionization cross sections in gases
 De Heer, F. J. + 5=14613, He excitation by He
Dehlsen, A.B. 5=1992, Soxhlet syphonings
 Dehmelt, H. G. 5=14609, Optically pumped samples
Dehne, H.C. + 5=595, Antiproton-proton interactions
Dehnhard, D. + 5=2770, Disintegration of C<sup>12</sup> 16.11 MeV level
 DeHoff, R. T. 5=12142, Particle-size distributions
 Deichsel, H. + 5=5801, Electron scattering by Hg atoms
 Deichsel, H. + 5=5802, Mott scattering of slow electrons
 Deigen, M. F. + 5=15501, E. P. R. of Mn<sup>2+</sup> in CdS
 +Deinzer, W. 5=15801, Atmospheres of central stars
 Deissler, R. G. 5=14791, Shear-flow turbulence
 +Deiter, R. H. 5=6322, Structure in textured gold films
 De Jager, C. 5=13759, Solar X radiation
de Jesús Castro Peña, J. 5=4820. Effect of noise on timbre
De Jong, L. N. J. + 5=12664, Magnetic behaviour of super-
      conductors
 +De Jong, L. N. J. 5=12665, Critical currents through
      superconductors
 +De Jonghe, L. 5=15617, Oxidation of UO<sub>2</sub>
 Deka, G. C. + 5=11035, An antiproton event
 +Dekeuster, E. 5=2074, Potential of entropy production
 de Keyser, A. 5=8348, Neutron time-of-flight analyzers
 +Dekeyser, W. 5=15581, Yellow colour of heat treated ZnO
 Dekhtyar, M. V. 5=12922, Transformations in Fe, Cr
 +De Kimpe, C. 5=1287, Properties of silicoaluminas. I
Dekker, A. J. 5=3976-7, Resistivity in rare earth alloys
Dekkers, D. + 5=11027, Nucleon—nucleon collisions deKlerk, J. + 5=13939, Thin-film piezoelectric transducers
 +de Laat, C.D.J.C. 5=13112, Eu-activated phosphors
de la Breteque, P. 5=1219, Gallium
Delacote, G. M. + 5=15349, Electron injection in copper
      phthalocyanine
Delafosse, D. + 5=6282, Ternary system Co—Ni—S
De La Garanderie, H. P. 5=9129, Fluorescence of manganese +
      amines
 de la Garanderie, H. P. 5=15608, Emission of manganese-amine
      complexes
de Lamotte, E. + 5=1547, Internal friction in Ta and Nb
```

```
Deland, R.J. 5=4460, Travelling planetary waves
de Lang, H. 5=8142, Polarization in lasers
de Lang, H. 5=10680, Optical aspects of lasers
Delany, M. E. 5=133, Acoustical impedance of human ears +Delapalme, A. 5=6446, H-atom positions in Al<sub>2</sub>O<sub>3</sub>. 3CaO. 6H<sub>2</sub>O
+Delapalme, A. 5=7116, Rotation of spins in cobalt
 +Delapalme, A. 5=7165, Magnetic structure of β-FeNaO,
+De La Perrelle, E. T. 5=2285 Oscillation in ring laser de La Ripelle, M. Fabre. See Fabre de la Ripelle, M.
 +Delavignette, P. 5=6620, Fault structures in wurtzite
 +Delavignette, P. 5=12360, Vacancy loops in graphite
Delorme, P. + 5=4332, I. R. spectra of C_n Br_n |I_n|
Del Bianco, W. + 5=783, O^{15}(\gamma,n)O^{15} reaction
Delbos, G. 5=4866, Measurement of 10 Gc/s permittivity
Delbourgo, R. 5=451, Propagators and form factors
 +Delbourgo, R. 5=5850, Band spectrum of N<sub>2</sub>
+Delbourgo, R. 5=8257, Strong interaction symmetries
+del Castillo, G. 5=524, Mura electron accelerator VI
 +Delchev, M. K. 5=12056, Uranium targets
 +De Leeuw, S. 5=585, Spectral analysis of neutrons
+Deler, B. 5=603, \pi^{\dagger}d interactions at 4.5 GeV/c
 +Deler, B. 5=11074, Single pion production
 +Deler, B. 5=11081, The \pi p \rightarrow N<sub>33</sub> \pi \pi reaction +Delhaes, P. 5=7217, E. S. R. study of pregraphitic carbons
 +Delhaes, P. 5=10020, Electrolytic ion formation e.s.r.
 +DeLise, D. A. 5=8362, Quest for quarks
DeLisle, J. E. + 5=4516, Gyrostabilizers
Delitala, M. + 5=12356, Recovery of metals
Dell, G. F. + 5=14537, Total reaction cross sections +de Llano, M. 5=5484, Effects in interaction model
 +de Llano, M. 5=5524, Levels of F18 and O18
 +deLlano, M. 5=5527, Levels of Ne^{20}, F^{20} and O^{20}
 Delleur, J. 5=6077, Heat transfer in anemometer
 +Delmas, R. 5=14996, Calcination kinetics of UO2
 Deloff, A. 5=2684, \Lambda-N and \Lambda-\Lambda interaction
 Deloff, A. + 5=5448, Λ-N S-wave interaction
 +Delone, N. B. 5=14358, Radiation sensitivity of propane +Delone, N.B. 5=14357, Bubble growth in propane
 +Delong, A. 5=4918, Filament diameter in electron biprism
 +Delong, A. 5=4919, Interference in electron bi-prism
  +Delone, N. B. 5=10936, Bubbles in bubble chambers
 de Loor, G. P. 5=10445, Dielectric heterogeneous mixtures de Lopez, E. O. + 5=5678, Neutron capture in Na^{23}(d, p)Na^{24}
 +Delorey, J. R. 5=9095, Density and viscosity of Tl amalgams
+de Loth, P. 5=7373, Magneto-optics of chloroethyl Al
De Lotto, I. + 5=8307, Counting statistics
 Deloupy, C. + 5=6241, Internal field of beryllium oxyacetate
 +Delsanto, P.P. 5=393, Exchange currents
+Delsanto, P. P. 5=10777, Errata: d-disintegration
 +Delsasso, L. P. 5=4808, Diffraction of sound by panels
 +Del Turco, A.M. 5=2781, L/K ratios in Xe127 decay
Deltour, J. 5=6818, Electron gas behaviour
 Deltour, J. + 5=13877, Thermodynamics of diatomic chain
Deltour, R. + 5=7284, One photon—two spins processes +Delvenne, L. 5=5371, Thresholdless n-detector search
 +Delves, L. M. 5=655, Binding energy of triton
+Delves, L. M. 5=5456, Classification of 3N states
 Delves, R. T. 5=12114, Supercooling and growth of HgTe alloys +Delyagin, N. N. 5=6253, \mathrm{Sn^{119}} Mössbauer effect in Ag alloys
 +de Marco, A. 5=2680, Strange particles production
 +De Marco, A. 5=10973, Intermediate boson search
 +De Marco, A. 5=11069, High energy loss of mesons. I
 +De Marco, A. 5=11157, Cosmic radiation in Mont Blanc
+De Marco, A. 5=14427, Pair production by muons
Demarco, J. J. + 5=11960, Ionicity in GaAs
 Demarco, J. J. + 5=13071, X-ray scattering factors
 De Marco-Trabucco, A. + 5=5337, p+p jets with strange particles +De Marco-Trabucco, A. 5=11107, Branching ratio of \tau' decay
 +DeMaria, A.J. 5=282, Internal gating of lasers de Martini, F. + 5=14048, Nuclear magnetometer
 Dembovskii, S. A. + 5=12100, Properties of As<sub>2</sub>Se<sub>3</sub> +Demer, L. J. 5=3532, Crystallography of Al
 Demers, P. [Ed.] 5=5287, Particle photography, Vol. 3.
 +de Mesquita, A. H. G. 5=6483, Structure of SiC polytype 24R
 de Mesquita, A.H. Gomes. See Gomes de Mesquita, A.H.
 Demetriades, A. + 5=10481, Space charge in gas
 +Demetriades, S. T. 5=11646, Electrical breakdown of gases Demetsopoullos, I. C. + 5=5134, Be window for X-ray tube
  De Micheli, R. 5-8792, Hindered molecular rotation
  +De Michelis, B. 5=14617, \beta depolarization
 Demichelis, F. + 5=2732, Deformations of isomers
Demichelis, F. + 5=5514, Radioactive decay measurements
 Demidenko, A. A. + 5=15529, Optical coefficients of crystal plate
```

```
Demidenko, I. I. + 5=5999, Plasma interacting with magnetic field Demidenko, I. I. + 5=11754, Instabilities in plasma
+Demidov, A. M. 5=2821, The Fe<sup>56</sup>(n, \gamma)Fe<sup>57</sup> reaction
+Demidov, A. M. 5=8718, Fuel element burn-up
+Demidovich, N. N. 5=5547, \gamma-fays from Xe<sup>137,128</sup>
Demikhovskii, V. Ya. + 5=9586, Electron—phonon scattering in
      films
Demirkhanov, R. A. + 5=6029, Plasma confinement by h. f. H wave Demirkhanov, R. A. + 5=11710, E. M. field in plasma
Demkin, Yu. I. 5=12391, Dislocation pinning in 35 at. %Rh—Mo
Demkov, Yu. N. 5=1050, Decay and polarization of ions
DeMore, W. B. + 5=1935, O(\(^1\text{D}\)) in the atmosphere +Demos, P. T. 5=5700, Neutrons from thorium photofission
+DeMoulin, M. 5=8474, K-P -> K*N and KN* at 3 GeV/c
+Demuynck, J. 5=2750, 145 keV level in Pr<sup>141</sup>
+Demuynck, J. 5=5556, Lifetime of states in W<sup>182</sup>
+Dem'yanov, A. V. 5=14572, Magnetic spectrometers
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+Denayer, M. 5=4040, Fission fragment damage on UO2
Denda, S. + 5=6592, Impurity diffusion in Si
Deneke, K. 5=14909, Semiconducting AgFeTe,
+Denenstein, A. 5=4864, Third sound in liquid He films
de Nercy, A. Bussiere. See Bussiere de Nercy, A.
+Denes, L. J. 5=2836, (d, Li<sup>6</sup>) Reactions in C<sup>12</sup>, O<sup>16</sup>, and F<sup>19</sup>
+Deney, C. L. 5=2566, High-energy nuclear interactions
Deney, C. L. 5=2705, ICEF secondary events
Deng Zung-hau. 5=8196, Approximate wave functions
Denisov, E. P. + 5=15417, X-ray photoemission
+Denisov, E. P. 5=15418, X-ray photoemission
+Denisov, S. P. 5=2631, Neutral \pi-mesons
+Denisov, S. S. 5=12860, Secondary electron emission
+Denisov, S. S. 5=15199, Electrons in solids
+Deniz, K. U. 5=15032, NH4 torsional oscillations in NH, Cl
Denker, S. P. 5=6611, Vacancy creation in TiO
Dennery, P. + 5=825, Three-pion system
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+Dennis, J. 5=14968, Crystal growth in gels
Dennis, J. H. + 5=2305, Raman emission to ruby beam
De Nooijer, B. + 5=3357, Conductance of AgNO<sub>3</sub> mixtures
Denton, R. T. 5=6566, Fe<sup>2+</sup> thermal expansion of YIG
+Denysova, A. D. 5=3907, Centres of current carriers in Si
Deo, P.G. + 5=9475, Dislocations in NaCl crystals
 +Deodhar, A. B. 5=911, L-spectrum of Th
de Oyarzábal, J. 5=5185, Elementary particle symmetries
+Depiesse, G. 5=8327, Logical sequential surveyor de Pinho Filho, A. G. + 5=5506, p-n interaction for odd nuclei
+Depireux, J. 5=15858, Organic radicals in meteorites
Deplante, J. L. + 5=12364, Transitional impurities in metals
de Plessis, J. C. + 5=9268, Bicrystal interfacial energy
+Depommier, P. 5=5575, \beta spectrum of K^{42}
Deprez, G. + 5=6521, Dynamics of a drea crystal
De Providência, J. 5=5475, Many-body problem
Derado, I. + 5=5399, Absorbtion in \pi^- + p \rightarrow \pi^- + \pi^0 + p
De Rafael, E. 5=8464, Spin of \pi\rho (1310) from decay
der Agobian, R.+ 5=278. Laser transitions in i.r.
der Agobian, R.+ 5=5783, Stimulated i.r. emission of rare gases
Der Agobian, R. + 5=14594, Stimulated emission in He<sup>4</sup> and He<sup>3</sup>
de Rango, C. + 5=12207, Structure of lanthanum aluminate
Derblom, H. 5=13390, Sodium emission in aurora
Dereberya, N. A. + 5=12244, Structure of a ZrO2: Cu2O
      semiconductor
Dereppe, J. M. + 5=6508, Motion of ions in fluosilicates
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Derfler, H. 5=1049, Plasma states in ion propulsion
+Derge, G. J. 5=14863, Electrical conductivity of molten
Co-, Ni-, Cu-, Ag-S
Deriagin, B. V. + 5=6076, Flow of gases in capillaries
Derighetti, B. + 5=12208, Space group of LaAlO<sub>3</sub>
Derko, H. + 5=14886, W cathode evaporation rate
Dermendzhiev, E. G. + 5=12056, Uranium targets
+De Rocco, A. G. 5=3079, Intermolecular forces
+De Rosny, G. 5=8452, \pi^+ + n \to p + \pi^0 at GeV/c
+Derr, A.J. 5=301, Microdensitometer system
Derrick, G. H. 5=398, Nonlinear wave equations
+Derry, L. W. 5=15176, Strain-ageing effects in No
Der Sarkissian, M. 5=2642, πN scattering
Der Sarkissian, M. 5=14435, Direct channel strips
Der Sarkissian, M. 5=5427, Theory of the vertex \rho \to N\overline{N}
Dersch, W. + 5=8155, Accurate Schlieren processes
+Deruytter, A. J. 5=8690, Ternary fission of U235
```

```
Derwish, G.A.W. + 5=3136, Ion-molecule reactions in C<sub>2</sub>H<sub>0</sub>
 Derzhanski, A. 5=258. Frequency stabilization for n.m.r.
Desai, B.R. + 5=480, Threshold Regge poles +Desai, C. C. 5=9270, Trigor patterns in CaF,
 +Desai, C. C. 5=12085, Etching of calcium fluoride
 +Desai, J. N. 5=15556, Optical properties of crystals
 De Santis, P. 5=11706, Quasi-static waves in magnetoplasma
 De Santis, V. 5=8486, Leptonic decay of polarized O
 De Santis, V. 5=11128. Decay of the \Omega^{-1}
 de Saussure, G. + 5=5695, Slow-neutron fission of Pu<sup>239</sup>
 +DeSavage, B. F. 5=15052, Dy thermal expansion
 Desbrandes, R. 5=6502, Lattice vibrations and dielectric
      absorption
 Deschamps, G. A. + 5=10656, Beam tracing
 +Deschamps, P. 5=5855, Emission spectrum of SnC1
 +Deschamps, P. 5=8807, As<sub>2</sub> ^{A_1}\Sigma_n^+ \rightarrow X^1\Sigma_r^+ bands
+Deschamps, P. 5=8814, New bands for HCl<sup>+</sup> and HBr<sup>+</sup>
 Deschanvres, A. + 5=12238. Observation of two phases in the
       V-Cu-O system
 Des Cloizeaux, J. 5=12620. Exciton instability in semiconductors
 Descoubes, J. P. 5=11451, Fine structure levels
 Deshpande, S. D. 5=7521, Ionospheric disturbances by flares
 +Deshpande, V. T. 5=1422, Thermal expansion of RbI and CaS
+Deshpande, V. T. 5=9394, Thermal expansion of fluorides
 Deshpande, V. T. + 5=15055, Thermal expansion of Se
 +DeSieno, R. P. 5=14688, Electrical properties of exploded con-
      ductors
DeSilva, A.W. + 5=3174, Laser scattering by a plasma
Desilva, R. W. + 5=14783, Laminar flow of visco-elastic fluid Desilets, B. H. + 5=12278, Ultrasonic attenuation in \mathrm{Al_2O_3} Deslattes, R. D. + 5=3578, Solution-grown ADP
 DeSorbo, W. + 5=6870, Intermediate state of superconductors
 DeSorbo, W. 5=9654, The Nb, Sn superconductor
 +Desplat, J. L. 5=4890, Caesium thermoelectric converter
 +Despré, P. 5=14833, Al activity in liquid alloys
 Dessaux, O. + 5=5851, Band emission of N-Cl<sub>2</sub>S flames
 Dessler, A. J. + 5=10083, Auroral radiation configuration
 Dessler, A. J. 5=13556, Magnetospheric tail
 +Dessler, A. J. 5=13597, Discussion: geomagnetic storms
+Dessler, A. J. 5=15761, K<sub>p</sub> and lunar phase
 +Dessler, A. J. 5=15883, Solar wind and geomagnetism
+de Swart, J.J. 5=2685, A-Nucleon potential
Detenbeck, R.W. 5=2531, Unscrambling pulse-height spectra +Detenbeck, R.W. 5=11368, p polarization from B<sup>10</sup>(He³, p)C<sup>12*</sup>(4.43 MeV) 5=11368
Determann, F. 5=8097, Brightness of a condenser system
Determann, H. + 5=5097, Elementary process in photographic
     emulsions
 Detert, K. + 5=12116, Recrystallization of Ni-Ta alloys
Detkov, S. P. 5=7875, Radiative heat transfer
 +Detoeuf, J. F. 5=11091, n-p elastic scattering
De Tollis, B. 5=10978, y-y Scattering
Dettorre, J. F. + 5=3493, Ellipsometry of surfaces
+Deuel, R. W. 5=8754, Transition probabilities of Cu I, A1 I,
      and Mo I
+Deuter, J. 5=15874, Observations of radio sun Deutsch, J. P. + 5=5594, Beta-decay of Bi<sup>210</sup>(RaE)
Deutsch, R.V. + 5=3149, Dissipative tensors of plasmas Deutsch, S. 5=13184, Optical density integrator
+Deutsch, T. F. 5=14145, Anti-Stokes radiation in Raman
      processes
Deutsche, C. W. + 5=15243, Green's functions in exciton theory +Deutscher, G. 5=9658, Superconducting films
 +Deutscher, G. 5=15303, Critical fields of SnIn
Deutscher, M. + 5=2505, Scintillation counter for spectrometer
Deutschmann, M. + 5=5400, Resonance production by \pi + p
+Deutschmann, M. 5=8450, Exchange in \pi^+ p \rightarrow p \pi^+\pi^0 at 4 GeV/c
+Deutschman, W. A. 5=1981, Solar spectra
 +Devanathan, C. 5=2243, Hydromagnetic waves in compressible
      medium
de Vaucouleurs, G. 5=4598, Classification of galaxies
+DeVault, G. P. 5=3264, Boltzmann collision operator
DeVault, G. P. + 5=7753, Statistical mechanics of viscoelasticity
+Devaure, J. 5=8843, Molecular vibrations in solutions
DeVelis, J. B. 5=8083, Image evaluation
Deverse, F. T. + 5=3015, Ionization probabilities of aromatic
     molecules
Devi, U. + 5=9395, Au-Pd thermal expansion
Devienne, F. M. + 5=5810, Production of Ar atomic beams
Devienne, F. M. 5=5916, High-velocity molecular beams
Devienne, F. M. 5=12062, Accommodation coefficients of Ar atoms
+de Villiers, J. A. M. 5=2509, Light output of plastic scintillators
```

```
DeVilliers, J. A. M. + \, 5=11331, Au, Hg and Tl n-scattering +Devins, D. W. 5=794, Elastic scattering of protons
+Devishev, M.I. 5=10940, Shower efficiency of spark chamber
Devitsyn, V. M. 5=13822, Extension of potential fields. I
+Devlin, G. E. 5=1848, R lines of chromium in ruby
+Devlin, G. E. 5=9840, Cr³' in Al<sub>2</sub>O<sub>3</sub>
Devlin, J. P. 5=2938, Urey-Bradley "nonbonded" forces. II.
+Devlin, T.J. 5=610, p polarization in \pi^*-p scattering +Devlin, T.J. 5=2646, \pi^*p Elastic scattering +DeVoe, J.R. 5=11978, Mössbauer spectrometer
+De Volpi, A. 5=2535, Cancellation of \gamma background pulses +Devons, S. 5=2629, Decay \pi^+\!\!\to\pi^0 + e^+ + \nu
DeVore, R. V. 5=907, Cross-sections of N
de Vos, J. A. 5=10784, Internal symmetries of elementary
      particles
Devreese, J. + 5=3944, Excited states of polaron model
Devreese, J. + 5=3945, Polaron self energy
de Vries, A. 5=12157, The correlation method
de Vries, A.E. + 5=4412, Isotope exchanges in HCl and D2 mixtures
 +De Vries, G. 5=12921, Magnetostriction of Fe, Co, Ni alloys
 +De Vries, G. 5=12961, Magnetic properties of steel
 De Vries, K. J. + 5=7346, U. V. absorption of PbCl<sub>2</sub>
 +DeVries, K. L. 5=12476, Internal friction
 DeVries, R. C. 5=12378, Etched structures in BaTiO<sub>3</sub>
+de Vries, R. F. 5=3176, Electron density of plasmas
de Vuyst, A. 5=4507, Magnetic field in Belgium
 +Devyatkov, A. G. 5=8057, Electron-excited CdS laser
 Devyatkov, A. G. + 5=12738, Conductivity of n-InSb
Devyatkova, E.D.+ 5=1434, Thermal conductivity of Sm and Pr
 Devyatkova, E.D. + 5=12311, Thermal conductivity of MnTe
De Waard, H. + 5=5546, Magnetic moment of I<sup>129</sup> +Dewar, M. J. S. 5=8862, Ground states of conjugated molecules. I
 de Wette, F. W. + 5=6244, Electric field gradients in lattices. II
 de Wette, F. W. + 5=6245, Internal field in dipole lattices
+Dewhirst, D.W. 5=4650, Zodiacal light, interplanetary plasma. III +Dew-Hughes, D. 5=12677, Type II superconductors
 +Dew-Hughes, D. 5=12678, Superconductor flux instabilities
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+De Wit, S. A. 5=5551, Measurements in Tb<sup>181</sup>, Yb<sup>177</sup> and Hf<sup>179</sup>
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 +DeWitt, H. 5=2896, Level shifts in H plasma
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 deWolf, D. A. 5=14098, Propagation in irregular medium
 Dewsberry, R. 5=1709, Porous electron emitters
 +Dexter, D. L. 5=9497, Comments on F-centres in alkali halides
 Dey, B. N. + 5=6559, Thermal expansion in Cu<sub>3</sub>Au
 Dey, B. N. 5=9546, Internal friction in Cu-Ni
Dey, B. N. + 5=12201, X-ray study of \gamma-Cu<sub>4</sub>Cd<sub>3</sub> Dey, B. N. + 5=12002, Cu–Sn \beta-\beta' transformation
 +Dézsi, I. 5=742, Nuclear decay
 Dhar, J. + 5=14431, Meson-nucleon coupling
Dharmaphanija, C.+ 5=2703, Asymmetry of cosmic rays Dharmatti, S.S.+ 5=1808, N.M.R. in metals Dharmatti, S.S.+ 5=9863, NMR in Co complexes
 +d'Heurle, F. M. 5=15627, Electrochemistry of Si-SiO<sub>2</sub> films
 Dharmatti, S. S. + 5=13007, N. M. R. study of Na amalgams
 Diallo, A.O. + 5=8829, C<sub>3</sub>O<sub>2</sub> i. r. spectrum
+Diament, R. 5=14875, Ca— and Mg—K metaphosphate systems
 Diamond, R.M. + 5=707, Centrifugal stretching of nuclei +Diamond, R.M. 5=11375, Heavy-ion nuclear reactions
 Diamond, S. 5=9330, Substituted Al in tobermarite
 +Dianoux, A. J. 5=7089, UF_3 magnetic susceptibility +Dianoux, A. J. 5=12879, UF_3 and \beta-UF_5 susceptibility
 Dianov, D. B. + 5=2083, Normal modes in plates
 Dianov-Klokov, V. I. 5=10076, Absorption spectrum of atmosphere
 +Dianova, I. M. 5=14979, Synthesis and properties of
       Na<sub>2</sub>0. 2Mn0. 2Si0<sub>2</sub>
 +Dias, C.A. 5=1457, Defects in p-type silicon
+Di Caporiacco, G. 5=11298, \gamma-disintegration of Si<sup>28</sup>
 +Dick, B. G., Jr. 5=4029, Magnetoresistance of indium oxide
 Dick, R.D. + 5=7833, Two electrical contactor pin designs
 +Dicke, R. H. 5=13668, Cosmology and Newtonian mechanics
 +Dickens, C. R. 5=7593, Luminosity classification of G- stars
 Dickerman, P. J. + 5=8754, Transition probabilities of CuI,
       A1 I, and Mo I
 Dickerson, R. H. + 5=6587, Self-diffusion rate in gold
 +Dickey, D. H. 5=15234, Band structure of HgTe
 Dickey, D. H. + 5=15563, Restrahlen reflection in HgTe
 Dickie, R. A. 5=6750, Mechanical properties of rubbers. I
```

```
Dickinson, R. E. 5=4601, Rossby waves in spiral galaxies +Dickson, F. H. 5=15724, Deviated path observations +Di Corato, M. 5=2655, π Interaction on nuclei Didenko, A. N. + 5=4906, Charged beam in coaxial resonator
+Didier, D. 5=5656, Binding energy of Si<sup>29</sup>
DiDomenico, M., Jr. 5=271, Internal modulation of lasers
+Diebold, R. 5=2655, \pi Interactions on nuclei
+Diebold, R. 5=2830, Muon capture in Ca<sup>40</sup>
Diebold, R. 5=8660, Muon capture in Ca<sup>40</sup>
 +Diede, A. H. 5=13445, Transequatorial reception
Diederichs, M. + 5=11402, FR 2 reactor poisoned by H<sub>3</sub>BO<sub>3</sub>
Diehl, B. + 5=752, Nucleon decay from Mg<sup>24</sup>
Diehl, B. 5=5492, Magnetic moment of O<sup>16</sup> 3 state
Diehl, J. + 5=3844, Work-hardening of n-irradiated Cu
 +Dietl, J. 5=9969, Absorption and luminescence of Fe<sup>57</sup> in ZnS
Diehl, P. + 5=14135, N.M.R. sub-spectral analysis. I
 +Dieke, G. H. 5=13046, Spectra of Er3+ in YCl3
Dieleman, J. 5=1693, Opto-paramagnetism in photoconductors
Dieleman, J. + 5=4368. "Orange" centres in ZnS:Ag, Cu or Au +Dieleman, J. 5=9425, Structure of Ag centre in Zns
+Dienes, G.J. 5=1463, Energy of C in \alpha-Fe and V
 +Diethorn, W.S. 5=653, Source of tritium
 +Dietrich, I. 5=15301, Degradation of type II superconductors
 +Dietz, F. T. 5=4442, Shallow-water ambient noise
 +Dietz, F. T. 5=10042, Shallow-water ambient noise
+Dietz, K. 5=428, One-particle exchange forces
Dieulesaint, E. + 5=4890, Caesium thermoelectric converter
Dieulesaint, E. + 5=6014, Measurement of Cs plasma parameters
 Diemer, G. 5=10623, Injection laser as 4 or 3-level?
 Diesen, R. W. 5=13146, Kinetics of NF and NF
 +Dietrich, F. S. 5=11369, N<sup>14</sup>(He<sup>3</sup>, n)F<sup>16</sup> reaction
Dietrich, O. W. + 5=12183, Neutron reflectivity in crystals
 Dietzmann, G. + 5=12950, Rotation losses of ferrites
 +Diez, R. 5=10079, Radioactive precipitation
 Di Francia, G. Toraldo. See Toraldo Di Francia, G.
 Digges, T. G., Jr. + 5=6378, Growing single crystals of niobium
Di Giacomo, A. 5=935, Approximation for line shape
 +Di Giugno, G. 5=8397, Stored e and e interaction
+Dijkstra, J. H. 5=8782, I. K. O. isotope separator
Dijkstra, J. H. + 5=14623, Beam stabilization in separator
 Dikii, L. A. 5=11783, Stability of plane Couette flow
 +di Lella, L. 5=2830, Muon capture in Ca<sup>40</sup>
Dill, H. G. + 5=4062, Thin-film transistor I—II
 Dillcard, C. R. + 5=5891, Vibrational spectra of organotin
       compounds II.
 +Dillon, J. A. Jr. 5=4124, Properties of Nb (111) surface
 Dillon, J. F., Jr. 5=1740, Ferromagnetism of chromium tribromic
 +Dillon, M. 5=1884, Luminescence in 3-methylpentane glass
 +Dillon, M A. 5=1198, Luminescence in solvent systems
 +Dilworth, C. 5=11146, Cosmic-ray electron flux
 Dimarova, E. N. + 5=15062, Thermal conductivity of triglycine
       sulfate
 Dimick, R.C. + 5=1048, Scattering of electrons and ions
 Dimitrijević, Ž. + 5=5367, 3-crystal neutron spectrometer
 +Dimitrijevic, Z. 5=7167, Spin fluctuation scattering of pyrrhotit Dimitrov, A. + 5=9742, CdS photoelectric losses
 +Dimitrov, O. 5=12931. Ni magnetic properties and S content
 +Dimitrov, O. 5=15139, Annealed Al energy release
 +Dimitrova.S. 5=9682, PbS semiconductor properties +Dimmler, G. 5=8295, Computer data acquisition +Din, G. U. 5=5684, B^{10}(He^3, p_\gamma 15.1), C^{12}, B^{11}(d, n_\gamma 15.1)Cr^{12} and C^{13}(He^3, \alpha_\gamma 15.1)C^{12}
 Dina, I. 5=12239, ZnSe film structure
 +di Novi, R. A. 5=2132, Continuous-wave ultrasonic imaging
 Dionne, G. F. 5=7256, {\rm Ti}^{3*} e.s.r. in RbAl(SO<sub>4</sub>)<sub>2</sub>.12H<sub>2</sub>O Dionne, G. F. 5=9200, {\rm Ti}^{3*} field in RbAl(SO<sub>4</sub>)<sub>2</sub>.12H<sub>2</sub>O
 DiPrima, R. C. + 5=14092, Flow between concentric cylinders
 Dirac, P. A. M. + 5=8207, Schroedinger and Heisenberg pictures
 +Dirven, P. 5=4024, Resistivity and mobility in Ge
 Dischler, B. 5=3011, C13-H and H-C-C-H coupling in carbo and
 heterocyclic molecules
Dismukes, J. P. + 5=1649, Thermal properties of Ge-Si alloys
 +Distelzwey, H. 5=5534, Excited levels of Cos
 +Dittner, P. 5=4929, Ion and neutral source
 Ditzel, E. F. + 5=8866, Substituted methanes. XXXVI
 Diu, B. + 5=10798, Coupling constants
 Diu, B. + 5=10853, One-particle-exchange approximation
Diu, B. + 5=14276, Baryons and resonances in SU<sub>3</sub>
 Divan, L. 5=13729, 3C273 between 6100 and 3300Å
 +Divnov, I. I. 5=112, Shock waves in iron and steel Dixon, D. T. + 5=9345, Crystal structure of \beta-P<sub>4</sub>S<sub>7</sub>
 Dixon, J. R. + 5=6799, PbTe valence band
```

Dickinson, G. W. + 5=10032, Analysis of N2 for H2

+Dickinson, M. 5=2655, π Interactions on nuclei

```
+Dixon, J. R. 5=7347, Optical constants of PbS
+Dixon, M. 5=9762, Magnetism of Al alloys
Dixon, M. + 5=10402, Low temperature radiation shield
Dixon, M. E. 5=10150, Star formation rates
Dixon, R. N. 5=980, States of CH, radical
Pixon, R. N. 5=3434, Polarization of spectrum of NO<sub>2</sub>
Dixon, R. N. + 5=5893, Electronic spectrum of nitrosomethane
Dixon, R. W. + 5=7290, D.C. induced n.g.r. perturbations
Dixon, W. G. 5=49, Extended bodies in general relativity +Dixon, W. R. 5=14483, 103 keV level in _{59}Np<sup>237</sup>
Djrbashian, V. A. 5=14466, Excitation of nuclei by a particle field
Dlouhá, J. 5=1234, Pressure and Mössbauer effect
Dlouhá, J. 5=1235, Mössbauer effect at phase transitions
Dlouhá, J. 5=5496, Mössbauer effect
+Dmitrenko, I. M. 5=242, 3 cm superconducting resonator
+Dmitrenko, I. M. 5=6896, Cooper pair tunneling in Sn
+Dmitriev, V. A. 5=12192, CdS crystal structure
+Dmitriev, V. M. 5=242, 3 cm superconducting resonator
+Dmitrieva, G. P. 5=12000, Phase diagram of Cr-Os system
Dmitrievskii, O.D. 5=2331. Fast photoelectric spectrometer
Dnestrovskii, Yu. N. 5=9007, Plasma cyclotron instabilities
Doak, P. E. 5=7838, Internally generated sound. I.
+Dobchenko, A. G. 5=8654, U<sup>238</sup>, Th<sup>232</sup> n-cross-sections
+Dobbott, R. D. 5=9319, X-ray crystallography
Dobeneck, D. F. v. + 5=11683, Electron pressure in plasmas
Dobrego, V. P. + 5=7038, Photoconductivity by hopping process
Dobrego, V. P. + 5=15209, Hopping conductivity in Ge
+Dobrescu, C. 5=876, Automation for reactors
+Dobrescu, $. 5=2822, n Cross-section of As
Dobrotsvetov, B. L. + 5=9213, Zn<sub>2</sub>SiO<sub>4</sub>-Fe<sub>2</sub>SiO<sub>4</sub> solid solutions
+Dobryden, K.A. 5=1262, Phase transformations in Cd-Sb
 +Dobrzhanskii, G. F. 5=12091, Growing layers on crystal
+Dobrzhanskii, G. F. 5=15372, Dielectric constant
+Dobson, D. A. 5=11261, \beta-decay and magnetic moment of Ar<sup>35</sup>
Dobson, G. R. + 5=3377, Statistics of polymer systems
 +Doclo, R. J. 5=12867, Thermal expansion and magnetic
      phenomena
+Dodd, W. P. 5=8450, Exchange in \pi^* p \rightarrow p \pi^*\pi^0 at 4 GeV/c
 +Dodds, J. G. 5=13208, Seismic noise on ocean bottom
 Dodson, H. W. + 5=10181, Solar activity in January to June 1964
Dodson, H. W. + 5=11165, Solar cosmic rays 29.5 day period Doede, J. H. + 5=5415, Moderation of \pi in liquid D
 +Doell, R. R. 5=15756, Geomagnetic polarity epochs
+Doell, R. R. 5=15757, Long geomagnetic variations
Dodge, R. P. 5=9363, Structure of tropone iron tricarbonyl
 Dodge, W. R. + 5=2516, Response of semiconductor detectors
Doebner, H. D. + 5=2416, \omega-\varphi and octet-octet mixing Doerner, W. A. + 5=9817, Mn<sub>2</sub>-Cr Sb magnetic transition +Doetschman, D. C. 5=9851, ESR absorption by V<sup>2+</sup> in CdCl<sub>2</sub>
 Doggett, G. 5=14647, Charge densities in metal-CO systems
 Dogonadze, R. R. + 5=1910, Structure of metal-salt interface
 Doherty, G. + 5=7426, Chemiluminescence from O + NO in upper
      atmosphere
Doherty, L. H. 5=10070, From forward scatter Doppler
Doherty, L. R. + 5=10188, Filaments in solar prominences
 +Doherty, P.E. 5=9427, Nucleation of surface pits
 Döhler, H. 5=14348, Adaptor for multichannel analyzer
 +Dohmann, H. D. 5=9039, Van der Waals constants
 Dohnert, L. + 5=778, Cross section of photonuclear reactions
 Doi, K. 5=1259, Atomic displacement in alloys
 +Doi, H. 5=1598, Hall effect in manganese antimonide
 +Doi, K. 5=6440, Neutron diffraction studies at J. A. E. R. I.
 Doich, R. V. 5=2245, Polarisation of m. h. d. waves
 Doidge, P. R. + 5=3998, Surface currents in superconductor
 Doinikov, N. I. 5=2247, Magnetic field of currents on torus
 +Doke, T. 5=2861, U<sup>238</sup> fission by 55 MeV protons
 +D'okoupil, Z. 5=6552, Low-temperature specific heat of Ni
 Dokuchaev, V. P. 5=14094, Magnetoacoustic Cherenkov radiation
 +Dolejší, J. 5=9962, Luminescence of irradiated alkali chlorides
 Dolgikh, V. A. 5=5944, Electrical strength in ionic apparatus +Dolginov, A. Z. 5=14233, Theory of multiple scattering
 +Dolginov, Sh. Sh. 5=15760, Magnetic field and positive ions
       inside magnetosphere
 Dolgopolov, D. G. 5=7263, Knight shift oscillations
 Dolgopolov, V. V. + 5=14721, Electron radiation in plasma
 Dolgopolova, A. V. + 5=13122, Rare-earth ion luminescence
 +Dolgoshein, B. A. 5=14428, \pi and \mu meson separation
 +Dolhazhav, N. 5=8458, \pi-p scattering at 4 GeV/c Dolhopolov, V. V. 5=2147, Thermal radiation of inhomogeneous
       laver
 Dolinsky, A. 5=14713, Integration of kinetic equations
```

```
Dolique. J. M. 5=8992, Magnetic barrier plasma penetration
+Dolling, G. 5=3671, Modes of vibration in Ni
Dolling, G. + 5=15033, Phonons in \beta-bass
+Dolmatova, K. A. 5=1130, Temperatures of plasma
Dologoshein, B. A. + 5=8342, Streamer chamber
Domagala, R. F. + 5=2162, Melting point determination
+Domange, L. 5=6478, Rare-alkaline earth selenides
Domb, C. + 5=4173, Magnetic transitions
Dombi, J. + 5=6184, Absorption and fluorescence spectra of
      solutions
Dombrowski, H. D. + 5=7714, Physical systems mathematics
+Domeij, B. 5=1491, Ion penetration into W
+Domen, S. R. 5=2516, Response of semiconductor detectors
 +Domen, S. R. 5=5316, X-ray measurements intercomparison
Domenici, M. 5=9305, Filters in neutron diffraction
 +Domes, D. 5=10717, Aperture field in slit diffraction
Domingo, J. J. + 5=5630, F^{17} state effect on O^{16}(p, \gamma)
+Domingues, L. P. 5=9393, Improved dilatometer
+Domínguez, A. G. 5=7720, Reduction formula
 +Domis, W. F. 5=3856, Creep of austenitic iron alloy
+Dommel, J. G. 5=12299, Thermal expansion of NaCl Domokos, G. + 5=5210, Fermi interactions
 Domonkos, S. 5=5954, Forces between extinction plates and arc
Donachi, M. J. Jr. + 5=3853, Creep-rupture of Hastelloy-X
Donnachie, A. + 5=14412, Nucleon—nucleon phase—parameters +Donahue, D. J. 5=8372, Attenuation for 5- to 11-MeV photons
Donahue, T. M. + 5=4476, Variation in exospheric hydrogen
 +Donahue, T. M. 5=13370, Sodium dayglow
Donahue, T. M. 5=13372, Lyman \alpha scattering in geocorona
 +Donald, R. A. 5=8457, \pi-p s-wave scattering
+Donaldson, E. E. 5=4153, Emission from iron filaments
 +Donaldson, E. E. 5=6325, Adsorption of gases activated by
      electron impact
 +Donaldson, E.E. 5=9251, Photodesorption
 Donath, W. E. 5=5820, Vibrational interactions theory. II
Donchin, E. + 5=8175, Brightness enhancement
+Donkersloot, H. C. 5=9359, System vanadium—gallium
 +Donley, J. L. 5=13548, Topside ionosphere
 +Donnachie, A. 5=5408, \pi -N phase shifts
Donnay, G. + 5=1384, Trioctahedral one-layer micas. I
Donnay, G. + 5=1385, Trioctahedral one-layer micas. II
Donnay, J. D. H. + 5=1346, Diffraction symbols
+ Donnay, J. D. H. 5=1384, Trioctahedral one-layer micas. I
+Donnay, J.D.H. 5=1385, Trioctahedral one-layer micas. II
Donnelly, R. J. 5=10407, He II ion—quantized vortex interaction Donnelly, R. J. 5=11836, Viscous flow between cylinders. IV
 Donnelly, R. J. + 5=11837-8, Viscous flow between cylinders . V
 Donnelly, R. J. + 5=11838, Viscous flow between cylinders. VI Donnelly, W. D. + 5=9265, \theta—Alfe precipitate in Al—Fe
 Donning, J. R., Jr. 5=8387, Neutron and proton e.m. structure
Donohue, J. + 5=1395, Structure of rhombohedral S
Donohue, J. + 5=12197, Interatomic distances in solid chlorine
 Donohue, J. + 5=12275, Temperature vibrations in urea +Donovan, B. 5=7310, Voigt effect in semiconductors
 +Donovan, P. F. 5=11213, Energy levels of He<sup>4</sup>
Donskoi, K. V. + 5=11691, Stationary flow of plasma
 Donth, E. 5=4836, Determination of thermal conductivity
 Doo, V. Y. 5=9298, Si film growth on alumina
 Doolittle, P. H. + 5=14697, Autoionization of H<sub>2</sub><sup>4</sup>+Dorain, P. B. 5=4254, E.S.R. of Re<sup>4*</sup> in K<sub>2</sub>PtCl<sub>6</sub>
 +Dorain, P. B. 5=7257, Spin resonance of SnO<sub>2</sub>: V
 +Doran, H. E. 5=7751, Eigenfunctions of, plane elastostatics. II
 +Doran, J. A. 5=10537, Differential e.m. reflectivity
 +Dorantes, J. 5=5731, Design of mass spectrometers
 Dorda, G. + 5=3935, Field emission from oxide states into Ge
 +Dore, J. C. 5=2811, Optical model of 30 MeV p-scattering. III
+Dore, J. C. 5=5348, Calibration of a proton polarimeter
  +Dorémieux-Morin, C. 5=13089, K acetyl phosphate i.r. spectra
 Doremus, R. H. 5=3383, Erratum: Optics of Au particles
 Doremus, R. H. 5=3951, Plasma resonances in particles
 Doremus, R. H. 5=6206, Optical properties of silver particles
 Dorer, F. H. + 5=13140, Rates of unimolecular decomposition
  +Dorfman, J. R. 5=6106, Transport coefficients
 Dorfman, L. M. + 5=4381, H radical reaction with aromatics
 +Dorfman, L. M. 5=10028, Pulse radiolysis studies. VII
 Dorfman, Ya. G. 5=15485, E. S. R. spectra of dielectrics
 Dorikens, M. + 5=2750, 145 keV level in Pr. Dorikens, M. + 5=5556, Lifetime of states in W<sup>182</sup>
 + Dorikens - Vanpraet, L. 5=2750, 145 keV level in {\rm Pr^{141}} + Dorikens - Vanpraet, L. 5=5556, Lifetime of states in {\rm W^{182}}
 +Dork, R.A. 5=189, Ferroelectric hysteresis tracer
+Dork, R.A. 5=9232, III-II transition of KNO<sub>3</sub>
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+Dolinsky, E. I. 5=8247, Complex angular momentum

Dorman, F. H. 5=1053, Potentials of ions from CF₃I Dorman, F. H. 5=5967, Fragment ions from CH3CHO and $(CH_3)_2CO$ +Dorn, D. W. 5=11387, Transuranium elements in a thermonuclear explosion +Dorn, J. E. 5=6590, Diffusivity in Ni +Dorn, J. E. 5=9575, Dynamic mechanical properties of Ag-Al +Dorn, J. E. 5=12416, Energies of undissociated jogs +Dorn, J.E. 5=15183, Ag-Al prismatic slip +Dornberger-Schiff, K. 5=12229, Structure of strontium metavanadate +Dornberger-Schiff, K. 5=12230, Structure of stronium metavanadate +Dorofeev, G. A. 5=8376, Calibration of gamma-dosimeters Dorosh, M. M. + 5=8624, n yield of γ -nuclear reaction +Doroshenko, A. V. 5=12937, Mn concentration and magnetism of Ni-Mn Dorst, M. 5=5128, Setting of vacuum X-ray spectrograph Dory, R. A. 5=1126, Mass-conjugate instabilities Dostrovsky, I. + 5=757, Decay scheme of Rb85 Dote, T. + 5=3182, Cylindrical probe in a magnetic field Dote, T. + 5=6022, Electrostatic plasma probe Dote, T. 5=11766, Mechanism of diode-transducer Dothan, Y. 5=8488, Spin tests for the Ω +Dotson, J.P. 5=3186, Ion collection probes +Doty, C. T. 5=4084, Conduction in polybutadiene films +Doty, P. 5=11613, Circular dichroism of polypeptide Doucet, Y. + 5=3336, Optical absorption of molten salts Doucet, Y. + 5=6185, Raman spectrum of molten KNO $_3$ -BaCl $_2$ Doucet, Y. + 5=7003, Dielectric constant of crystalline powder +Dougal, A.A. 5=335, Infrared polarization analyzer +Dougal, A. A. 5=1093, Bounded magnetoplasmas Dougal, A. A. + 5=3192, Diagnostics of θ -pinch plasmas +Dougal, A. A. 5=3194, Density in θ -pinch plasma +Dougan, P. W. 5=8552, Levels in Pm¹⁴⁹ and Sm¹⁴⁹ Dougherty, J. P. 5=3140, Fokker-Planck equation for plasma Douglas, A. C. 5=8653, n cross-sections of $\rm U^{233}$ at 4 to 15 MeV Douglas, A. C. + 5=11319, n cross-sections of Pu²³⁹ from 1 keV to 15 MeV Douglas, A. C. 5=11320, n Cross-sections of Pu²⁴⁰ from 1 keV to 15 MeV Douglas, A. C. 5=11321, n cross-sections of Pu²⁴¹ from 1 keV to 15 MeV Douglas, A. E. + 5=11557, R.F. CH lines Douglas A.E. + 5=8833, Absorption spectrum of NO2 Douglas, J. N. 5=7637, Decametric radiation from jupiter Douglas, R. A. + 5=9061, Orbitron vacuum pump Douglas, R.W. 5=1286, Non-crystalline solids Douglass, D. H. Jr. + 5=3980, Superconducting energy gap +Douglass, D. H., Jr. 5=14005, Bose-Einstein condensation Douglass, D. L. + 5=14994, Recrystallized, cold-worked α -U +D'Oultremont, P. 5=11042, Neutron flux in moderators Dousmanis, G. C. + 5=5012, Threshold current in GaAs lasers +Dousmanis, G. C. 5=14160, GaAs injection laser +Dove, J. C. 5=5618, Ca-scattered proton polarization +Dowd, J. P. 5=10994, Tagging system for photons +Dowd, R. 5=627, π^+ in $\mathbf{K}^+ \to \pi^+ \pi^\circ \pi^\circ$ decay Dowell, J. D. + 5=8409, p-p forward scattering at 1.7 GeV/c +Dowez, P. 5=6260, Solid solutions in Al-Mg alloys Dowker, J.S. 5=1961, Cosmology and weak interactions Dowker, J. S. + 5=5380, Symmetries and compositeness Dowker, J. S. 5=10243, Scalar theory of gravitation Dowling, P.J. 5=550, Electron bremsstrahlung in scattering +Downes, D. 5=15814, Galactic centre region Downey, M. E. + 5=9437, Neutron irradiated Mo Downs, A. M. 5=15752, Geomagnetic hollow Downs, B. W. + 5=11349, Λ optical potential Downs, B.W. + 5=14445, Hypernuclear forces Dows, D. A. 5=1018, Kerr effect in flexible polymers Doyama, M. + 5=6621, Edge dislocation in f.c.c. metal Doyama, M. + 5=9426, Tetravacancies in f. c. c. metal +Doyle, J. R. 5=9362, The crystal structure of dipentene platinum (II) chloride Doyle, W. M. + 5=4999, Dual-polarization He-Ne laser Doyle, W. T. + 5=14196, Optical extinction of spheres Drabkin, G. M. + 5=12918, Neutron scattering on Fe spin waves Drachman, R.J. 5=84. Many-boson calculation Draghicescu, D. + 5=5356, n-polarization by polarized p's Dragnev, T. 5=2804, The reaction $\mathrm{Ca^{40}}(\gamma,\mathrm{p})~\mathrm{K^{39}}$ Drago, F. G. + 5=7654, Solar brightness at 3 cm +Drahoš, V. 5=4918, Filament diameter in electron biprism Drahoš, V. + 5=4919, Interference in electron biprism +Drahoš, V. 5=12179, Measurement by electron microscope

Drain, L. E. 5=9877, Nuclear magnetic resonance in vanadium Dransfield, P. 5=11, Hydraulic measuring system Drapchinskii, L. V. + 5=14553, n-induced fission of $U^{235,238}$ Draper, J. E. 5=8311, Fast transmission detector +Draper, J. E. 5=11344, Neutron capture in Cu +Draughn, R. A. 5=3544, Apparatus for vacuum cleaving +Drawin, H. W. 5=8741, The Lyman-α line of H Drawin, H. W. 5=14707, He I-atoms in plasma Drechsel, D. 5=5488, Zero-point oscillations of nuclear surface Dreeskamp, H. 5=11590, Indirect nuclear spin coupling +Dreizler, H. 5=11546, S(CN)₂ spectrum and structure Dreizler, R.M. 5=712, Low-lying states of F19 Drell, S.D. + 5=2401, Bounds on renormalization constants Drell, S.D. 5=2625, μ -pair photoproduction +Drell, S.D. 5=2692, Meson exchange in e-d scattering Dremin, A. N. + 5=12499, Glass under dynamic loading +Dresner, J. 5=15347, Preparation of n-type ZnTe Dresselhaus, M. S. + 5=15539, Interband transitions in Sb Dresselhaus, M. S. + 5=15540, Sb de Haas—Shubnikov effect Dresser, M. J. + 5=8947, Surface ionization on tungsten +Drew, J. B. 5=6591, Surface diffusion on Ni +Dreyfus, B. 5=4212, Rare earth garnets Dreyfus, B. + 5=9194, ErGa garnet crystal field Dreyfus, B. + 5=9779, Magnetic coupling in metals Dreyfus, B. + 5=12292, Specific heat of Fe-Au +Drickamer, H. G. 5=9624, Lattice parameters of Cd and Zn +Drickamer, H. G. 5=12798, Complexes at high pressures +Drickey, D. 5=644, De.m. form factors +Drickey, D. 5=5313, Bremsstrahlung angular variation +Drickey, D. 5=5335, p form factor measurement +Drickey, D. 5=5385, π° γ -production from d +Drickey, D.I. 5=2633, Charged-pion photoproduction Drickey, D. J. + 5=592, Neutral meson production Drigo, L. + 5=5346, Polarization in p $-\alpha$ scattering Drigo, L. + 5=5615, Polari zation in p_C¹² scattering +Drijard, D. 5=2655, π Interactions on nuclei +Drisko, R. M. 5=799, Analysis of (p, n) reactions +Drisko, R. M. 5=2833, Deuteron scattering by Ca40 + Drisko, R. M. 5=2838, Validity of DWBA in Ca⁴⁰(d, p)Ca⁴¹ +Drisko, R. M. 5=14552, Angular distributions in (a, p) reactions Driver, C. 5=8928, Electron avalanches in damp air +Drobyshevskii, E. M. 5=11691, Stationary flow of plasma Drokin, A. I. + 5=7159, Domain structure of ferrite films Drokin, A. I. + 5=12952, Domains in Tm, Dy and Tb ferrites Dromsky, J. A. + 5=3584, Al-Al $_2$ O $_3$ alloys +Dronov, A. P. 5=2976, Electronic transitions in NO +Dronov, A. P. 5=14640, Electronic transition in NO +Droste, C. 5=807, (p, α) reactions Drowart, J. + 5=5913, Dissociation energy of MgO, CaO, SrO and Sr,O Drowart, J. + 5=9189, Thermodynamic data of U compounds Droz-Vincent, P. 5=7780, Constraints of gravitational field Droz-Vincent, P. 5=13873, Quantization of relativistic theories Drucker, D.C. 5=38, Stability in mechanics of continua Drucks, H. 5=8078, Wave and geometrical optics +Drugin, V. A. 5=8685, Synthesis of element 104 +Druin, V. A. 5=5812, Isotope 104²⁶ +Drukaryev, G. F. 5=1050, Decay and polarization of ions Drum, C. M. 5-9295, Boundaries in Al N whiskers Drum, C. M. + 5=9485, Stacking faults Drum, C. M. 5=9486, AlN intersecting faults Drum, C. M. 5=12382-3, Imperfections in AlN, I-II +Drumheller, J.E. 5=12208, Space group of LaAlO, Drumheller, J. E. + 5=15492, Cr^{3+} and Fe^{3+} e. s. r. in $ZnAl_2O_4$ +Drummeter, L. F. 5=7491, Absorption spectrum of atmosphere +Drummond, W. E. 5=3211, Scattering of plasma oscillations +Drummond, W.E. 5=9001, Plasma oscillations Druyvesteyn, M. J. + 5=1517, Deformation bands in copper Druyvesteyn, M.J. + 5=1517, Deformation bands in copy.
Druyvesteyn, W. F. + 4001, Superconducting Pb-In alloys
Druzhinin, V. V. + 5=14907, Energy of ion in crystal
Druzhinin, V. V. + 5=15567, R-lines in ruby spectrum Dryden, J. S. + 5=7008, Dielectric absorption in long-chain esters Drzymała, A. + 5=948, Motion of molecules Du Heng. 5=4508, Main phase of geomagnetic storm +Du-Yuan-Tsai. 5=2560, Isobar state systems and decay modes +Du Yuan-Tsai, 5=8482, Λ by isobars in $\pi-p$ interactions +Duane, A. 5=14383, Observation of beam profiles +Dubasov, Yu. V. 5=9766, Magnetic susceptibility of RaCl₂ +Dubey, V.S. 5=13170, Current carrying conductor +Dubinskii, B. A. 5=13735, Astronomical unit by radar off +Dubko, S. F. 5=2255, Field distribution in resonator

```
Dubois, B. + 5=12931, Ni magnetic properties and S content
+DuBois, D. F. 5=1077, Plasma conductivity
Dubois, M. + 5=9500, Impurities and optical properties of LiF
Duboshin, G. N. 5=13652, Celestial mechanics at Moscow
Dubost, H. + 5=5639, Au, Bi, and Th bombarded by protons
+Duboy, S.S. 5=1402, Structure of polytrifluorochloroethylene
Dubovikov, M.S. 5=2579, Neutrino scattering on nuclei
Dubovikov, M.S. 5=5330, Single isobar processes
+Dubovoi, E.I. 5=2402, Quantum electrodynamics
Dubovoi, L. V. + 5=3225, Optimum plasma accelerator
Dubrin, J. + 5=7429, Acetylene formation
+Dubroskii, G. B. 5=1692, Photoeffect in semiconductors Dubrovina, S. M. +5=2857, Fission of Pa<sup>231</sup> and Pu<sup>239</sup> at
      1.5-1500 keV
+Dubrovskii, G. B. 5=7297, Optical constants of semiconductors +Dubrovskii, G. B. 5=13070, Valence band of Si
Dubovskii, O. A. + 5=15244, Excitons in crystals
Dubrovskii, V. A. + 5=365, Expansions in wave mechanics
 Dubus, M. 5=5655, Be<sup>9</sup> and Be<sup>8</sup> in the Be<sup>9</sup> (n, 2n) reaction
Du Castel, F. + 5=10089, Irregularities in the ionosphere
+Duchemin, B. 5=5656, Binding energy of Si<sup>29</sup>
 +Duchesne, J. 5=3056, Stark effect in quadrupole spectroscopy
Duchesne, J. + 5=15858, Organic radicals in meteorites
Duck, I. 5=749, Angular distributions in C^{12} \rightarrow 3\alpha
Duckett, S. W. + 5=9751, Photoemission of alkali halides
 +Duckett, S. W. 5=15603, Lifetime of I center in KCl
 +Duckworth, H. E. 5=12431, Atomic stopping cross-sections
 +Duclaux, A. M. 5=8021, E.P.R. spectrometer
 Duclaux, J. 5=9185, Theory of gases. XXXIII
 +Ducros, P. 5=9860, H<sub>2</sub>O NMR study in beryl
+Ducros, P. 5=6446, H-atom positions in Al<sub>2</sub>O<sub>3</sub>. 3CaO. 6H<sub>2</sub>O
+Ducros, P. 5=7241, Mn<sup>2</sup> e.s.r. in zeolite
+Ducros, R. 5=4145, Secondary emission statistics
+Duda, S.J. 5=7467, Earthquake properties
Dudarev, E. F. + 5=1479, Suzuki atomspheres in solid solutions
Dudarev, E. F. + 5=3847, Yield point of Cu-base solid solutions
 +Dudarev. E. F. 5=15156, Cu-Al dislocation structure and
      mechanical properties
 +Dudnik, V. P. 5=9973, ZnS electroluminescence, e-emission
 +Dudnik, V. P. 5=15605, Photoluminescence quenching of ZnS—Cu +Dudr, V. 5=5131, X-ray reflection measurement
Dudukalenko, V. V. 5=3815, Paths of plastic deformation
Dueker, G. W. + 5=10642, Ruby laser crystals
+Duecker, H. C. 5=7699, High-pressure distribution measure-
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Duedall, I. W. + 5=14838, Determining salts in aqueous
      solutions
Duff, B. G. + 5=8334, Emulsion with spark chambers
 +Duffey, G. H. 5=11495, Free-electron networks
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+Dufour, J. 5=5143, Complete solution of Schrödinger equation Dufour, J. 5=5446, Polarization of \Lambda\,\gamma\,+\,p\,\to\,K^*\,+\,\Lambda
Dufour, J. 5=14443, K*-∑° photoproduction
+Dugan, J. V., Jr. 5=11460, e Scattering by Cs atoms
+Dugdale, D. E. 5=4236, Mg spinel spin-lattice relaxation
 +Dugdale, R. A. 5=6055, Thermal shock of plasma-device walls
Du Heng. + 5=4490, Solar plasma in geomagnetic field. I
+Duhm, H. H. 5=5532, Excitation of the 7/2 level in Cr53
Duke, C.B. 5=470, Scattering theory
Duke, C.B. 5=681, Excitations in nuclear matter
+Duke, J. F. 5=1632, Superconducting behaviour of Nb crystals
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+Dukes, W. A. 5=6685, Shear strength of adhesive joints
+Dulieu, D. 5=6641, Steel stacking fault energies
+Dulis, E. J. 5=3883, Alloys of W—Ta—Mo—Nb
+Dulk, G.A. 5=4631, Radio emissions from Jupiter
+Dullien, F. A. L. 5=11819, Diffusion from diaphragm cell
+Dumont, A. M. 5=14583, Measurement of excited lifetimes. II
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Dulock, V. A. + 5=10758, Degeneracy of harmonic oscillator
+Dumail, M. 5=10952, 4 MeV accelerator output
+Dumanian, J. A. 5=2133, Channel vocoder Dumartin, S. + 5=11506, Raman spectra of \rm H_2 and \rm N_2
+Dümbgen, G. 5=9417, Oxygen diffusion in rutile
Dumitrescu, O. + 5=832, Reactions with deuterons
+Dumitrescu, O. 5=2769, d and t Reduced widths
+Dumitrescu, R. 5=848, Evaporation spectra of neutrons
Dumont, J. P. + 5=13781, Fe XIII in coronal conditions
Dunaev, F. N. + 5=4290 Magnetostriction in Si iron
Dunaev, F. N. 5=7130, Magnetostriction of transformer steel
+Dunaevskaya, N. V. 5=12857, Louver-type photomultipliers
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Dunajský, L. 5=10707, Balance in optics of films
Dunbar, A.S. 5=3110, Breakdown in air
Duncan, R.A. 5=7532, Drift of F-region ionization
Duncan, R. A. 5=13522, Electrodynamic lifting and F region
+Duncan, R. C. 5=5014, Cr<sup>3+</sup>-Nd<sup>3</sup>: YAG laser system
Duncan, R. C. 5=10626, Nd<sup>3+</sup>; CaMoO, laser
 +Dunckel, N. 5=13306, Whistlers below protonosphere
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 +Dung Sung-sheng. 5=7466, Seismic model experiments
 +Dungan, R. H. 5=7018, Solid solutions PbHfO<sub>3</sub>-PbTiO<sub>3</sub>-PbSnO<sub>3</sub>-
 PbNb<sub>2</sub>O<sub>6</sub>
+Dungey, J. W. 5=13598, Field during magnetic storms
 +Dunitz, J. D. 5=12225, Crystal structure of silver cyanate
 +Dunkelman, L. 5=13270, U.V. radiance of atmosphere
 +Dunkin, D. B. 5=7525, He<sup>+</sup> losses in ionosphere
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Dunn, C. G. + 5=6342, (110) preferred orientation in tantalum
+Dunn, J. L. 5=2951, Microwave transitions in CN
Dunn, R. B. 5=7557, Evacuated tower telescope
Dunne, B. 5=113, Detonation waves in explosives, II
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Dunne, S.A. 5=411, Particle mixing and renormalization
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+Dunstetter, R. 5=4875, Passive polyphase systems
 +Dunwoody, J. 5=10313, Non-linearity and acceleration waves
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 Duong, B. H. 5=12477, Work-hardening of metals
 +Dupeyrat, R. 5=5846, Fluorescence from iodine vapour
 +Dupeyrat, R. 5=3042, Raman spectrum of C<sub>8</sub> H<sub>5</sub>NO<sub>9</sub>
Dupoisot, H. 5=14181, Interference microscopy
 Dupouy, J. M. + 5=6696, Deformation and restoration of pure Be
 Dupré, A. + 5=10385, Graphite thermometers in conductivity
 +Dupuis, T. 5=3651, Structure of hexahydrostannates
Dupuis, T. + 5=12146, Metastannates of bivalent metals
Dupuy, O. 5=8106, Longitudinal settings method
 +Duracz, A. 5=12638, Induced e. m. f. from ferromagnetic wire
Durand, L. 5=8388, Inelastic e-d scattering
 Durand, L., III. + 5=11084, \pi p \rightarrow \rho p, \bar{p}p \rightarrow \bar{Y}Y, and np \rightarrow pn
 Durand, P. + 5=8725, Atomic and molecular wave functions
 +Durand, Y. 5=9046, Air absorption of laser beam
 +Durano, Y. 5=8926, Air breakdown by lasers
 +Durgaprasad, N. 5=2563, "Persisting baryon"
+Durgaprasad, N. 5=2607, \rightarrow N<sub>2</sub> \alpha-particle m.f.p.in emulsions Durham, F.E. + 5=11376, Compound-nucleus reactions
 +Durif, A. 5=6446, H-atom positions in Al<sub>2</sub>O<sub>3</sub>. 3CaO. 6H<sub>2</sub>O
 +Durif, A. 5=6461, Crystal structure of Li compounds
 Durisch, J.E. + 5=11314-15, Nuclear symmetry energy. I-II
Durlach, N.I. 5=138, Binaural masking level
 Durocher, G. + 5=11573, Nature of Ham's bands
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      O-H. Y
 +Durrett, C. S., Jr. 5=4959, Back-scattering by moving target
Dürrschnabel, W. + 5=1854, Emission efficiency of vanadium Dürrschnabel, W. + 5=4824, Emissivity of vanadium crystals
 +Dushin, L. A. 5=10544, Microwave interferometer for plasma
 +Dushin, L. A. 5=11703, Plasmoid spectroscopy
Dutchak, Ya. I. + 5=1208, Thermo-e. m. f. of liquid Sb-B
Dutchak, Ya. I. + 5=3319, Viscosity and conductivity of Cu-Sb Dutchak, Ya. I. + 5=3361, Thermoelectric properties of Bi-Sn
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+Duteil, P. 5=8659, Pion double charge exchange
+Dutescu, N. 5=180, Cryostat for reactor
+Duthie, D. T. 5=13161, Ni surface changes after chemisorption
 +Dutt, J. 5=14204, Scattering of light by electrons
Dutt, J. C. + 5=14456, Cosmic ray intensity underground
Dutta, B. N. 5=6447, Structure of AIPO<sub>4</sub>
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 +Dutta Roy, B. 5=2484, Crossing matrix in isospin
+Dutto, G. 5=14381, Milan AVF cyclotron
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 +Duval, C. 5=14657, Spectra of three heterocyclic derivatives
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Duval, X. + 5=14955, Adsorption of krypton on graphite
Duvall, G. E. + 5=4784, Shock waves
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Dvoryankin, V. F. 5=1333, Electron density in atoms
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Dunaitsev, A. F. + 5=2651, \(\pi^- \) Absorption by H nuclei

Dvoryankin, V. F. + 5=12165, Structure analysis +Dwight, K. 5=9813, Ferrimagnetic cobalt chromite +D'yachenko, K. K. 5=9015, Characteristics of "TOKAMAK - 3" +D'yachenko, S.S. 5=3500, Vacuum -deposited copper D'vakonov, M.I. + 5=2912, Scattering of resonance radiation D'yakonov, M. I. 5=6092, Resonance scattering of light in gas D'yakonov, M. I. + 5=11466, Relaxation of atoms +Dybowski, K. 5=8419, Pulse neutron source +Dyce, R.B. 5=13526, Solar flares and F ionization Dyer, D. F. + 5=7481, Calibrating humidity instruments Dyer, L.D. 5=6366, Growth of seeded copper crystals Dyke, M. + 5=6488, Crystal structure of SrBr₂. H₂O Dyke, W. P. 5=4128, Advances in field emission Dykman, I. M. + 5=12573, Mobility of carriers in semiconductors Dymnikov, A.D. + 5=223, Spherical aberration of quadrupole lens Dymnikov, A.D. + 5=4909, Achromatic e.m. lens system Dymond, J. H. + 5=11806, Intermolecular potential functions Dymshits, B. M. + 5=1105, Inductive discharge Dymus, S. A. 5=8414, Angular correlations in p + d \rightarrow K° + Λ + 3π +Dyring, E. 5=11159, The cosmic-ray nucleonic component Dyson, B. F. 5=14844, Surface tension of Fe alloys Dyubua, B. Ch. + 5=4149, Re Secondary electron emission Dyubua, B. Ch. + 5=4150, W-Hl Secondary electron emission +Dzhafarov, I.G. 5=2611, Proton-antiproton pairs +Dzhafarov, T. D. 5=12322, Diffusion of Zn in GaAs +Dzhaugashtin, K. E. 5=7992, Magnetogasdynamics of Couette flow Dzhavadov, D. M. + 5=6844, Electrical resistivity of Fe-Co alloys Dzhelepov, V.P. + 5=2924, Scattering of du atoms +Dzhemilev, N.K. 5=3313, Surface-tension of liquid Fe-Mn Dzhemilev, N.K. + 5=3314, Surface-tension of Fe-Si +Dzhidaryan, V. A. 5=15446, Hysteresis properties of thin ferromagnetic films +Dzhorzh, E. T. 5=750, β' -Spectra of Ne¹⁹, Ge⁶⁷, Sb¹¹⁸ +Dziedzic, J. M. 5=9893, Second-harmonic light generation Dziuba, Z. + 5=6940, Electrical properties of HgTe +Dziuba, Z. 5=12604, HgTe effective electron mass Dziuba, Z. 5=12745, High purity HgTe Dzyaloshinskii, I. E. 5=1767, Helicoidal antiferromagnets. III +Dzyana, D. I. 5=3641, Rare-earth—Ga₃ compounds Dzyub, I. P. + 5=6249, Mössbauer effect in solids Dzyub, I. P. 5=12184, Solid solutions n-diffraction Dzyub, I. P. + 5=12270, Mössbauer effect at impurity nuclei +Dzyubenko, H. I. 5=7881, Thermal properties of materials

Eagles, D. M. 5=3679, Polar lattice vibration in TiO, Eandi, R.D. + 5=610, p polarization in π^* -p scattering Eandi, R. D. + 5=2646, π^{2} p Elastic scattering +Eandi, R. D. 5=8407, Polarization in scattering at 725 MeV Eandi, R. D. + 5=14530, Analyzing power of carbon +Earl, J.A. 5=790, Cascade showers in Pb +Earle, E.D. 5=5608, Neutron groups from $O^{16}(\gamma,n)O^{15}$ +Earley, C.C. 5=1528, Fracture of iron +Early, V. H. 5=8825, Molecular structure of B₂O₃ Eash, D. T. 5=9514, Extensometer for tensile testing +Eason, H. O. 5=14776, High-beta plasma Easterday, H. T. + 5=14473, Internal conversion spectrometer Eastman, P.C. + 5=4342, Tunnel diode electroluminescence Eaton, D. R. + 5=3066, NMR shifts in metallopyrromethenes and porphyrins Eastwood, T.A. + 5=755, Krypton-81 half-life +Eastwood, T.A. 5=2777, Decay of Ag108 Eaton, D. L. 5=6917, Semiconducting glasses As-Te-I +Eaton, G. H. 5=8406, Wolfenstein parameters in p-p scattering Eatwell, A. J. + 5=9894, Solid A refractive index +Ebata, T. 5=599, " ρ -exchange for π + N \rightarrow N* + ω Ebbeni, J. 5=8, Observation Moire phenomena +Ebel, G. 5=609, π -N forward scattering +Eberhagen, A. 5=6020, Measurements in 26 kJ θ -pinch Eberhagen, A. + 5=14767, Macroinstabilities in a theta pinch +Eberhard, P. 5=643, S=-2 baryon systems Eberhardt, E. H. 5=4138, Multiplier phototubes +Eberle, E. 5=635, $\Xi_{1/2}$, Y_1 , $N_{3/2}$ decay widths +Eberly, J. H. 5=4960, Scattering of h. f. e. m. wave by electron Ebersole, S. + 5=8894, Spin coupling in ethyl derivatives Ebert, G. 5=6326, Radiowave spectra of sorbed molecules Ebert, H. G. 5=11661, Recombination and ion distribution Ebina, Y. 5=4988, Masers in strong pumping field Ebinghaus, H. + 5=1067, Ion formation in PH3, AsH3 and SiH4 Ebinghaus, H. 5=3124, Negative ions from alkali halides Ebrey, T. G. + 5=8590, 14 Nuclei half-lives

+Ebrey, T. G. 5=8651, $Ar^{40}(n, \alpha)$, (n, p), (n, d)+Ebsworth, E. A. V. 5=967, Spectrum of difluorosilane +Eccles, S.F. 5=2834, d-Scattering by Ag^{107,109} at 12.0 MeV +Eccleshall, D. 5=8546, Coulomb excitation +Echard. R. 5=278. Laser transitions in i.r. +Echard, R. 5=5783, Stimulated i.r. emission of rare gases +Echard, R. 5=14594, Stimulated emission in He⁴ and He³ Echard, S. 5=7044, Characteristic of solar cells +Eckart, F. 5=1850, Optical activity of Se Ecker, G. + 5=3153, Plasma column in magnetic field Ecker, G. + 5=3183, Magnetic plasma probes Ecker, G. + 5=6044, Thermal instability of plasma column Ecker, G. + 5=6052, Thermally inhomogeneous plasma column Ecker, G. + 5=11632, Instability of glow discharge Ecker, G. + 5=11634, Diffusion of Faraday dark space Ecker, G. + 5=11659, Lowering of ionization in plasma +Ecker, G. 5=11727, Langmuir probe theory Ecker, G. + 5=14704, Correlation functions of plasma Eckert, E. R. G. + 5=10360, Heat transfer bibliography Eckert.H.G. 5=2774, V⁵² decay Eckhardt, V. + 5=11262, Mott asymmetry at 100 keV +Eckhaus, W. 5=14788, Weakly divergent flows +Eckhause, M. 5=11071, Muonium α structure constant +Eckroth, C. A. 5=9926, Zeeman effect in Er-ethysulphate Eckstein, S. G. 5=6531, Acoustic amplification by conduction electrons +Eckstein, Y. 5=128, Ultrasonic specimen holder Eckstein, Y. + 5=12720, Shubnikov-de Haas effect in Bi +Eda, B. 5=5914, E.S. R. of γ-irradiated fluorine compounds Edagawa, H. + 5=1663, Si P-N junctions +Edelman, F. 5=1555, Space-charge-limited currents Edel'man, F. L. 5=6719, InSb and GaSb micro-indentation +Edel'man, I.S. 5=4191, Magnetic reversals in Fe films +Edel'man, V.S. 5=1561, Bismuth conductivity electrons Edels, H. + 5=11652, Thermal arc column +Edelson, D. 5=1055, Ionization coefficients in H and D Edelson, H. D. + 5=14691, Exploding wires, conduction mechanism Edelstein, L. A. 5=8797, Inequalities for molecular integrals Edelstein, N. + 5=3367, Free radical spin exchange Eden, R.J. + 5=5242, Poles in the S-matrix Eder, G. 5=11203, Atomic nuclei and elementary particles +Ederer, D. L. 5=8948, He photoionization cross-section +Edge, P. M. 5=2095, Effects of sonic boom on buildings Edge, R. D. + 5=11844, Standing gravity waves on water Edgerton, H. E. + 5=5101, Cine photomicrography Edgerton, R. + 5=4358, Spectra of KI:Tl at 12°K Edgerton, R. 5=15566, Polarized emission from KI:Tl Edington, J. W. + 5=3884, Flow stress and dislocations in V Edington, J.W. + 5=12236, V ceramic compounds Edlén, B. + 5=14223, Redetermination of X-unit +Edmister, W. C. 5=11819, Diffusion from diaphragm cell Edmiston, C. + 5=14645, Configuration interaction of H., H. +Edmonds, P.D. 5=11885, Ultrasonics of non-electrolyte solution +Edmonds, R.S. 5=13489, X-radiation in D region +Edneral, A. F. 5=12997, N. M. R. study of Al-Ag +Edse, R. 5=318, $C_2N_2 + N_2O$ flame +Edse, R. 5=4383, Reflected shock wave Edwards, B. N. + 5=8864, Laser light absorption by methane Edwards, D. K. + 5=11526, CO₂ absorption bands +Edwards, D. M. 5=4154, Susceptibility of interacting electrons Edwards, G. 5=7726, Classical nonexponential decay +Edwards, H. D. 5=13459, Ionospheric wind patterns Edwards, J. G. 5=4187, Anisotropy field of magnetic films +Edwards, M.P. 5=5465, α and β proportional counter Edwards, P. J. 5=13349, Satellite detector counter rates Edwards, P. J. + 5=13614, Effects of explosion Starfish Edwards, S. F. 5=6797, Density of states Edwards, S. F. 5=7793, Conference on many body problems +Edwards, T. H. 5=5862, Near i. r. spectrum of H₂ Se +Edwards, T. H. 5=5864, Analysis of ν_2 of H₂Te +Edwards, T. H. 5=11534, Vibration, isotope effects in H2Se +Edwards, W. F. 5=7769, Second postulate of relativity Edwards, W. F. 5=11277, γ -rays following Ta^{182,183} decay Eeles, W. T. + 5=3627, Structure of graphite-Br compounds +Efimov, G. V. 5=5234, Asymptotes of scattering amplitudes Efimov, G. V. 5=14268, Nonlinear interaction lagrangians +Efremov, A. A. 5=8711, High temperature reactor Efremov, Yu. P. + 5=14599, Line shift of Cd114 Egelstaff, P.A. + 5=8810, Molecular motion in ortho-H Egelstaff, P.A. + 5=10891, Magnetic tape recording Eger, F. M. + 5=2386, Scattering by hard core +Eggels, A.G. M. 5=1319, Si epitaxial growth

Eggen, O.J. 5=4568, Colors of nearer g-type stars Eggen, O. J. 5=10128, 228 visual binaries Eggen, O. J. + 5=10142, Spectra and motions of white dwarfs +Eggers, F. E. 5=9579, Polarisation of magnetoelastic waves Egiyan, K. A. + 5=15446, Hysteresis properties of thin ferromagnetic films +Egorov, A. I. 5=5571, Longitudinal polarization of β-rays Egorov, E. A. 5=15513, Stabilizing an autodyne Egorov, L. A. + 5=5318, Semiconductor pulse X-ray detectors +Egorov, V. D. 5=13037, Recombination radiation from CdTe Egorov, V. S. + 5=8915, Pulsed discharge in helium +Egorov, Yu. A. 5=11048, Neutron spectrometer Ehler, A. W. 5=1009, Dissociation of H₂⁺ ions Ehlers, K. W. 5=14079, Design for ion sources Ehlers, W. + 5=3556, Crystal growth in chlorpromazine +Ehlert, T.C. 5=1217, Mass spectrometric studies. II. Ehlert, T.C.+ 5=3073, III. Dissociation of MgF, SrF and BaF +Ehlert, T. C. 5=6221, Mass spectrometry at high temperatures. V Ehlert, T. C. + 5=6222, Mass spectrometry at high temperatures. VI +Ehrenreich, H. 5=15455, Ni ferromagnetic Kerr effect +Ehrlich, R. 5=2558, Fractionally charged particles +Ehrlich, R. D. 5=932, X-ray spectrum of muonic atoms Ehrlich, R. D. + 5=14625, Muonic X-ray spectra +Ehrenfreund, E. 5=9921, Tb³⁺ compound internal vibronics Ehrhardt, H. + 5=8937, Appearance potential of molecular fragments +Ehrhardt, H. 5=11675, O to O' and H' charge transfer Ehrman, J.B. 5=1729, Ferromagnetism of a fermion gas +Eiben, B. 5=5321, Neutrino interactions +Eichelbrönner, G. 5=6124, Excluding pump fluid vapours Eichen, E. + 5=1317, Formation of ferrite sideplates +Eicher, H. 5=9195, Hyperfine fields in Er +Eichhorn, H. 5=4590, Photography of double stars +Eichler, H. 5=2275, Oscillations in optical resonators Eichler, H. + 5=4992, Mode transformation in laser resonators Eichler, J. 5=711, T=1, $J=1^-$ states in O^{16} Eichler, J.+ 5=5573, Mirror decays of B^{12} and N^{12} Eidelberg, M. I. 5=7385, Galvanoluminescence of Al anodic oxide Eidelberg, M. I. 5=7386, Electroluminescence of Al anodic oxide Eido, R. 5=11515, Calculation of wave functions for $B^2 \Sigma_u^+$ of N_u^+ Eilenberger, G. 5=6857, Ginzburg-Landau equations +Einstein, W. B. 5=9345, Crystal structure of β -P₄S₇ Eisberg, R. M. 5=8613, Time delay measurements +Eisberg, R. M. 5=8647, Deuteron reactions at 26.5 MeV +Eisenberg, A. 5=7434. Equilibrium polymerization +Eisenberg, A. 5=14840, Polymerization of liquid S +Eisenberg, J. M. 5=14535, Angular distributions in $^{27}Al(p,\gamma_0)^{28}Si$ +Eisenberg, Y. 5=5398, $\pi^-+p\to\eta^o+n$ to 1151 MeV +Eisenberg, Y. 5=10981, γ —p Interactions, 0.5-4.8 BeV +Eisenberg, Y. 5=11019, N_{33}^* (1238), ρ° production +Eisenberg, Y. 5=14434, π^- p charge exchange +Eisenhour, S. 5=4026, Holes in (111) Ge surface Eisenman, W. L. + 5=2149, Black radiation detector Eisenmenger, W. 5=4779, Compression of flexural pulses Eisenstadt, M. M. + 5=7456, Chemisorption detector for hydrogen Eisenstein, J. C. + 5=7141, Nd Ce Cl, magnetic transitions Eisenstein, J. C. + 5=10381, Fixed point for thermometry Eisenstein, J. C. + 5=12913, Low-temperature magnetic transitions Eisenthal, K. B. + 5=8789, Luminescence decay Eisenthal, K. B. + 5=13135, Charge transfer complexes Eisinger, J. + 5=5918, Binding of Mn² to nucleic acids Eisler, J. 5=4868, Insulator quality control +Ejiri, H. 5=5543, Two phonon states in nuclei Ejiri, H. + 5=5634, P^{29} states from S^{32} (p, α) P^{29} Ekatov, A. B. + 5=14333, Multidimensional data analyzer Ekivin, V. V. 5=10962, Injector for electron accelerators Ekman, G. + 5=8172, Visual after-image intensity +Eknadiosyants, O. K. 5=14824, Liquid ultrasonic atomization +Ekstein, H. 5=2370, Relativistic quantum mechanics +Ekstrom, L. 5=1649, Thermal properties of Ge-Si alloys Elagib, A. A. R. 5=11770, Isentropic stagnation temperature of fluid 4Elango, M. A. 5=15115, Color center creation +Elbaum, C. 5=6528, Dislocations and harmonic u. s. generation +E1-Baz, E. 5=813, (n, α) Angular distributions E1-Behay, A. Z. + 5=8670, The F¹⁹(d, α)O¹⁷ reaction Elbek, B. + 5=5536, Levels in Cu⁶³ and Cu⁶⁵

+Elberg, S. 5=14847, Measuring thermal conductivity of liquids +Elbourne, R.G.P. 5=197, Electrochemical effects in thermocounles Eldering, H. G. 5=5061, Optimum spectral filtering +Eldridge, O. C. 5=5996, Kinetic theory of radiation in plasma Elema, V. A. 5=6082, Thermal data for real gases Elenskii, M. A. 5=10431, Voltage amplifier Eleonskii, V. M. + 5=5982, Conductivity of turbulent plasma El'gard, A. M. 5=10447, Dielectric losses Élgard, A. M. 5=15383, Electric properties of ferroelectrics Elgeti, K. 5=11805, Association in water vapour +El-Hanany, U. 5=9921, Tb³⁺ compound internal vibronics El-Hanany, U. + 5=13113, Self-trapping in GdCl₂, 6H₂O Eliass, M. K. 5=15811, Spherical auto-gravitating systems Eliezer, I. 5=5866, Moments and structure of Hg halides +Eliezer, Z. 5=7142, Ni film magnetic behaviour +Elin, V. I. 5=9557, Cracks in metal foils Elinson, M. I. + 5=15412, Electrons from Si junction +Eliseenko, L. G. 5=15418, X-ray photoemission Eliseev, E. D. + 5=14331, Transistor trigger for decatrons Eliseevnin, V. A. 5=13946, Rays in inhomogeneous medium +Elkholy, H. 5=12642, Cold-worked Al resistivity +Elkina, T. A. 5=1758, Magnetic anisotropy in Mn-Fe ferrites ElKomoss, S. G. + 5=990, Spectra of napthalene Elleman, D. D. + 5=8890, Propylene and indene oxide n. m. r. +Elleman, T. S. 5=12325, Fission-gas release from Fe-20%Cr Eller, A. + 5=14827, Rectified diffusion of cavitation bubbles Elli, \dot{M} . + 5=6335, Systems $Ge_2S-Sb_2S_3$ and $GeS_2-As_2S_3$. +Ellinger, F. H. 5=14934, Pu-Si system Ellingsen, T. 5=11791, Fluid with elastic boundary +Elliot, R T. 5=11120, β -decay of Λ +Elliott, D. N. 5=7864, Audition thresholds +Elliott, G. A. 5=11557, R.F. CH lines Elliott, I. + 5=13785, Class 3 flare Elliott, L. A. 5=11787, Perturbations on fluid surfaces Elliott, L. L. 5=149, Predicting speech-discrimination scores Elliott, W. R. + 5=3459, Phase transitions in $\rm BaTiO_3$ +Ellis, B. 5=333, "Melinex" polarizer +Ellis, D. E. 5=319, Sensitising of far u.v. plates +Ellis, G. E. 5=2109, Acoustic pressure transducer Ellis, G. R. A. + 5=7620, Radio waves in the galaxy Ellis, G. R. A. 5=15697, Anomalous Doppler radiation Ellis, G. R. A. 5=15812, Galactic radio emissions Ellis, T. + 5=3603, X-ray lattice measurements +Ellis, W. C. 5=1313, Growth of Si from vapor Ellis, W. P. + 5=9904, Refractive index of F on ThO₂ Ellison, A.J. + 5=129, Anechoic chamber Ellison, F.O. 5=3000 Potential-energy surface for H + H₂ +Ellison, F.O. 5=5860, Vibrations of polyatomic molecules +Ellison, R.D. 5=6493, Crystal structure of XeF2-XeF4 Ells, C. E. + 5=12486, Mechanical properties of n-irradiated Be +Ellsworth, L.D. 5=728, Nuclear transitions in Cs 133 Ellsworth, L.D. + 5=2755, Au 197 nuclear transitions +Ellyett, C.D. 5=13425, Radiation from meteor trails +Ellyett, C.D. 5=13612, Man-made micropulsations Ellyett, C.D. + 5=13753, Meteors increase in 1963 El-Mehairy, A. E. + 5=14841, Density of liquid metals El-Nadi, L. M. 5=14478, Energy levels of Sc49 El-Nadi, M. + 5=852, Heavy ion reactions +El-Nadi, M. 5=2795, Polarization in nuclear reactions +El-Nadi, M. 5=5473, Average nuclear potential El-Nadi, M. + 5=5597, Polarization in direct interactions El-Nadi, M. + 5=14546, Optical model d scattering El-Nadi, M. + 5=14550, Optical model α scattering El'perin, I. I. + 5=13889, Thermodynamic working bodies +El'piner, I. E. 5=15624, Ultrasonic initiation of chain reaction El-Saden, M. R. + 5=6933, Nernst effect in indium antimonide Elsakov, N. V. + 5=3012, Acetylene hydrocarbon H-bonds +Elsakov, N. V. 5=3013, H-bonds of acetylene compounds. V +Elsakov, N. V. 5=14669, H bond n. m. r. study VI E1-Sayed, M.A. $5=2989, \pi^* \rightarrow n$) Phosphorescence in carbonyls +El-Sayed, M. A. 5=11542, Intramolecular energy transfer in rare-earth chelates +El-Sayed, M. A. 5=13135, Charge transfer complexes +El-Sayed, M. A. 5=15609, Triplet-triplet transfer to rare earth chelates +E1-Sourogy, A. 5=14478, Energy levels of Sc49 Elstner, L. 5=12590, Mobility temperature variation in p-Si Elstner, L. + 5=15402, Photocurrents of CdS +Elston, J. 5=953, Spectroscopy of N₂ stream Elterman, L. 5=1936, Rayleigh coefficients to 50 km

+Elbek, B. 5=5692, $C^{12}(C^{12}, \alpha)Ne^{20}$ cross-section

Elbel, M. + 5=8755, Cu I spectra

Elton, R.C. 5=106, Radiation-induced shock waves

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+Elwyn, A. J. 5=5642, Neutron magnetic moment in polarization
+Elwyn, A. J. 5=5645, Neutrons scattered from Li<sup>6</sup>
Elwyn, A.J. + 5=11322, Neutron scattering near A=20
+Ely, R. P. 5=614, T = 2\Sigma\pi resonance
Ellyett, C. D. + 5=10177, Vela-Puppis meteor shower
Elsner, Z. N. 5=8107, Multilayer interference coatings
Elwell, D. + 5=9818, Bohr magneton number in Ni ferrite
Ely, R. P. + 5=11122, Lambda-hyperon beta decay
+E1-Zaiki, M. I. 5=5680, Alpha particle groups from P^{31}(d, \alpha) Si^{29}
+El-Zaiki, M. I. 5=8316, Scattering chamber for solid detectors
+Elzer, A. 5=1066, Ionization continuum of He, Ne and Ar
Embury, J. D. + 5=12097, Al-Zn-Mg precipitate nucleation Emch, G. 5=4754, Liouville space and master equation
Emch, G. 5=10299, Markov master equations
+Emeleus, K.G. 5=6033, Coupling between plasma oscillations
+Emeleus, K.G. 5=11633, Negative glow of He
+Emeleus, K.G. 5=11634, Diffusion of Faraday dark space
+Emendörfer, D. 5=5649, Scattering of neutrons for materials
+Emeric, A. 5=15553, Transmission of Au films
Emeric, N. + 5=15553, Transmission of Au films
+Emery, G. T. 5=2820, Capture of thermal neutrons
+Emery, G. T. 5=8775, K auger electrons in Br^{78}Emma, V. + 5=11381, U^{238} fission by neutrons
Emmerich, R. + 5=9756, Photomultipliers in d. c. circuit
+Emmons, R.B. 5=158, Infrared photomixer diodes
+Emmons, R.B. 5=15356, High-speed photodiodes
Empedocles, P.B. + 5=978, Electronic structure of benzene Emschwiller, G. + 5=5863, I. R. spectra of Ca_3Al_2O_6, xH_2O
Emtage, P.R. 5=15235, PtSb<sub>2</sub> band structure
Enck, F.D. + 5=12299, Thermal expansion of NaCl
Enderby, J.E. + 5=9021, Correlation functions classical fluids
Enderby, J. E. + 5=9085, Pauli susceptibility of Li
+Endo, K. 5=4266, N.M.R. in Heusler alloys
+Endoh, Y. 5=7134, Mössbauer effect in \alpha-Fe<sub>2</sub>O<sub>3</sub>
+Endow, N. 5=6116, Ion gauge calibration
Endt, P.M. 5=849, Investigation of resonance reactions
+Énenshtein, B.S. 5=14118, Grounded electric dipole
Enflo, B.O. 5=2466, Lorentz-covariant Low equation
Enflo, B.O. + 5=2567, Born approximation for scattering
     amplitude
Eng, S. T. 5=6975, Low 1/f noise mixer diode +Engebretson, A. M. 5=10340, Waveforms of acoustic signals
+Engel, F. L. 5=141, Frequency-modulated signals Engeland, T. 5=11217, Separation method in O<sup>18</sup> and Ne<sup>20</sup>
+Engelbrecht, C.A. 5=11331, Au, Hg and Tl n-scattering
Engelmann, P. 5=5705, Fast breeder reactors
+Engelmann, R. 5=2686, Sigma leptonic decays
+Engelmann, R. 5=5449, Λ-p scattering
+Engelmann, R. 5=5450, Leptonic decays of charged \Sigma
+Engelmann, R. 5=11201, Short lived isomers
+Engels, W. 5=5553, Gamma-decay of 1174 keV Yb<sup>172</sup>
Engelsberg, S. + 5=3891, Electron-phonon model
+Engineer, M. H. 5=6924, Electrical properties of p-Ge
+Engineer, M. H. 5=7997, Faraday rotation in artificial dielectrics
+England, A. C. 5=14776, High-beta plasma
+England, J. L. 5=11930, Pressure and melting of MgSiO<sub>3</sub>
+Engledow, D. 5=11856, H solubility in Fe alloys
+Engler, C. 5=8586, Beta decay of Pr144
+Englert, F. 5=85, N bosons problem
Englert, F. + 5=429, Broken symmetry
English, J. + 5=7711, Pirani gauge
Enig, J. W. 5=4791, Time-dependent thermal explosion theory
+Enikeeva, K. Sh. 5=12755, ZnS electroluminophors
+Eninger, J. 5=3234, Coaxial plasma gun
+Eninger, J. 5=3236, Ionizing wave in a coaxial plasma gun
Enns, R. H. 5=6088, Ultrasound propagation in monatomic gases
Eno, R. 5=8124, Invalid stray light determination
Enoch, J.M. 5=356, Mammalian retinal receptor response
Enriques, L. + 5=3223, Generating an alkali plasma
+Ensminger, R.R. 5=15124, Cylindrical waves in solids
+Entin, R. I. 5=12549, Steel structure and brittleness
+Entine, G. 5=2334, Photosensitive pigments of retinal cones
Enukashvili, I. M. 5=15662, Kinetic coagulation equation
Enz, C. P. 5=13878, Thermodynamic perturbation theory
+Epain, R. 5=11931, Se melting curve
+Epstein, A.S. 5=1462, Impurity distribution in silicon
Epstein, A.S. + 5=1576, Energy gap of \beta silver selenide
Epstein, H. M. + 5=816, Neutrons from N^{14}(d, n_0)O^{15}
+Epstein, J. H. 5=1294, Orientations of cubic crystals. II.
+Epstein, S. T. 5=2903, He index of refraction
+Epshtein, M. G. 5=9737, Stable n-type thermoelements
Epshtein, M. I. + 5=13093, Light yields of phosphors
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+Equer, B. 5=5421, Evidence for (K\pi\pi) resonance
 +Equer, B. 5=11119, YY production
+Era, K. 5=9972, Luminescence center in ZnS
Eramjian, R. A. 5=2768, \beta-Decay of Li<sup>9</sup> Erba, E. + 5=2854, Statistics of U<sup>236</sup> fission
Erba, E. + 5=5699, Fission cross section in U235(n,f)
Erba, E. + 5=11378, Model of U^{235} fission
Erbeia, A. 5=8884, N. M. R. in earth's magnetic field
Erbeia, A. + 5=9871, Sensitivity in n. m. r.
Erber, T. + 5=10996, Cerenkov radiation from extended charge
     structures
Erbslöh, F. D. 5=11734, Linear pinch discharges
Ercoles, A. M. + 5=342, Cyclical fading
+Erdas, F. 5=393, Exchange currents
Erdas, F. + 5=10777, Errata: d-disintegration
Erdogan, M. E. 5=2238, MHD Jeffery-Hamel problem
Erdős, P. 5=3592, Tensor characterizing a crystal
+Eremeev, V. V. 5=15058, Determining thermal conductivity
     of solids
+Eremenko, E. V. 5=2553, Linear electron accelerator
Eremenko, V. V. + 5=1838, Photoconductivity spectra of CdS
Eremenko, V.V.+ 5=1584, Excitons in a CdS crystal
Eremenko, V. V. + 5=7327. Exciton absorption in CdS
Eremenko, V. V. + 5=7333, Absorption of light by CoF<sub>2</sub>
Eremenko, V. V. + 5=7350, Zeeman effect in MnF<sub>2</sub>
Eremenko, V. V. + 5=13060, Absorption spectrum of MnCO<sub>3</sub>
Eremin, A.S. + 5=10426, Transistorized commutator switch
Eremin, B. G. + 5=14099, Measuring microwave power
+Eremina, I. V. 5=11991, Ag—Cu in dispersed region
Erezhepov, M. 5=15309, Thermoelectromotive force and Hall
     effect
+Erf, R.K. 5=125, Ultrasonic optical-beam scanning
+Ergin, Yu. V. 5=7125, Magnetic properties of gadolinium
+Ergin, Yu.V. 5=1608, Magnetoelectric phenomena in gadoliniun
Erginsoy, S. + 5=6663, Energy loss in Si
Erickson, G. W. + 5=14274, Two-model field theories
Erickson, L. E. + 5=7986, Magnetohydrodynamic flow
Erickson, W. H. + 5=14918, Solubility of H, in zirconium
Ericson, T. + 5=456, Pseudoscalar coupling constant
+Eriks, K. 5=12260, Structure of triphenylmethyl perchlorate
Eriksson, E. 5=13317, Pulses of T in atmosphere
Eriksson, K. B. + 5=14600, CsI 6s, 6p and 6d levels
Eriksson, L. + 5=6807, Sb Fermi surface
+Eriksson, L. 5=15043, Magnetoacoustic effect in Sb
+Eringen, A. C. 5=7749, Nonlinear micro-elastic solids.II
+Eritsyan, G. N. 5=14054, Obtaining magnetic fields
Erkovich, S. P. + 5=2948, Electronic transitions in molecules +Ermakov, B. A. 5=8051, Gas laser oscillation modes
Ermakova, E. A. 5=1214, Evaporation from a solid
Ermakova, E. A. 5=1216, Ice evaporation
Erman, P. + 5=8775, K auger electrons in Br79
+Ermolaev, L. A. 5=4149, Re Secondary electron emission
+Ermolaev, L. A. 5=4150, W-Hl Secondary electron emission
Ermolaev, V. L. 5=1880, Luminescence spectra of aromatics
Ermolaev, V. L. 5=1883, Triplet-triplet energy transfer
Ermolenko, A.S. + 5=7131, Thermomagnetic treatment of alloys
+Ermolov, P. F. 5=2924, Scattering of du atoms
Ermrich, W. 5=14957, Gases adsorbed on tungsten
Ern, V. + 5=12608, Electronic band structure
+Ernst, M. H. J. J. 5=6106, Transport coefficients
Ernst, L. 5=7967, Germanium points in field emission microsco
 +Ernst, O. 5=1175, Activation energy of diffusion
Erofeev, I. A. 5=11409, Optics of mass separation
 +Erofeeva, V. N. 5=11145, Soft radiation in equatorial region
 +Erofeeva, V. N. 5=13347, Radiation at 200-400 Km
 +Eroshenko, E. G. 5=15760, Magnetic field and positive ions
      inside magnetosphere
Erozolimskii, B. G. + 5=10414, Nsec e-pulse generator
+Ershov, I.V. 5=103, Plane compression shock
 +Ershov, V. V. 5=11601, Chemical shift of hydroxyl signal
Ertek, C. 5=5711, Ozemre's approach to reflected media Ertel, D. 5=11340, Nuclear recoil in solids IV-V
+Ertel, D. 5=11341, Nuclear recoil in solids, V.
Ertel, H. 5=1140, Vorticity equations of hydrodynamics
Ertel, H. 5=10232, Fundamental equations of mechanics
 +Erteza, A. 5=5261, Discrimination of phoswich system
Erteza, A. + 5=10537, Differential e.m. reflectivity
 +Erwin, A. R. 5=8451, Strange particles in 3 BeV \pi^- + H
Esaki, L. + 5=4050, Properties of Ge-GaAs heterojunctions
Escande, L. 5=4887, Relativistic theory of charged particles
Eschbach, H. L. 5=6126, Preparation of uniform evaporated layer
```

Eschenroeder, A.Q. 5=3262, Intensification of turbulence +Escoubès, B. 5=14272, Production of light bosons

```
shghy, S. 5=10376, Temperature distribution in channel flow
Esin, O. A. 5=3320, Viscosity and resistivity of Fe-P and Fe-S
Espinosa, G. P. 5=1763, Square-loop polycrystalline garnets
Espinosa, G. P. 5=4213, Substitution of Co in YFe garnet Espinosa, G. P. 5=7161, CdFe garnet studies Espinosa, G. P. 5=9814, Rare-earth iron garnets Espinosa, G. P. 5=12944, Y-free ferrimagnetic garnets
Espinosa, G. P. 5=12953, Substitution of Ti<sup>4+</sup>, Cr<sup>3+</sup> and Ru<sup>4+</sup> in
YFe garnet
skin, V. É. 5=6338, Light-scattering study of polymers
Eskreys, A. 5=5397, n-emission in \pi^- + p at 10 GeV
spenscheid, W. F. + 5=6207, Distribution for colloidal particles
Essam, J. W. 5=12884, Ferromagnet critical isotherm
Essam, J. W. 5=12884, Ising model of ferromagnet and anti-
   ferromagnet
Essen, L. 5=7668, Recent experiments on relativity ssman, U. 5=9484, Plastically deformed Cu structure
stabrook, F.B. + 5=2047, Space-time congruences
steve, A. 5=5181, Strong interaction symmetries
Estin, A. J. 5=1098, Plasma boundaries with e.m. waves
stle, T. L. 5=4244, Fe e.s.r. in InAs
stie, P. L. 5=4244, refers of Pb and Sn on Sistrup, P. J. + 5=3632, Layers of Pb and Sn on Sistulin, I. V. + 5=2735, Nucleic \gamma-rays after \beta-decay Eswaran, M. A. 5=8591, Lifetimes of <sup>20</sup>Ne
tcheto, J. + 5=7520, Earth-ionosphere cavity resonance
Etesin, V.F. 5=3139, A maxwell plasma
Etesin, v. r. 5=3139, Hinaweii plasma

Etoh, K. 5=731, 0* excited state of Ce^{440}

Etoh, K. 5=5634, P^{29} states from S^{32} (p, \alpha) P^{29}

Etter, J. E. 5=846, Be^{9}(He^{3}, \alpha)2He^{4} reaction

tter, J. E. + 5=847, B^{10}(He^{3}, p\alpha)2He^{4} reaction

ttinger, K. W. + 5=8309, Geiger-Müller quenching circuit
uthymiou, P. C. 5=9679, Irradiated InSb magneto-resistance duwema, R. N. 5=9201, Crystal fields for transition metals
Evan-Iwanowski, R. M. 5=4732, Mechanical dislocations
vans, B. A. 5=12094, Rate meter for crystal pulling vans, B. L. + 5=13063, MoS<sub>2</sub> optical properties
vans, C. J. 5=5928, Fluctuations in Townsend discharge
Evans, C. J. 5=5937, Ionization currents and breakdown
    potential
Evans, C. R. 5=10739, Luminous-design phenomena
vans, D. A. + 5=8339, Eyepiece for nuclear emulsions
vans, D. A. + 5=12572, Carrier concentrations in semiconductors
Evans, D.E. 5=3174, Laser scattering by a plasma vans, D.S. 5=11012, Charged-particle detection
Evans, E. B. 5=6470, NiO-MnO solubility and crystal structure
Evans, E. H. 5=1357, X-ray diffraction patterns
vans, G. R. + 5=2538, Expansion cloud chambers
vans, H. B., Jr + 5=9096, Surface tensions of binary mixtures vans, H. C. + 5=8591, Lifetimes of <sup>20</sup>Ne
Evans, J. E. 5=2792, 79-Day Fm<sup>257</sup> isotope
vans, J. E. 5=8506, Nuclear optical model
Evans, J. E. 5=13387, Low-energy auroral electrons
vans, J. V. + 5=4503, Ionospheric backscatter
vans, J. V. 5=13527, Ionospheric temperatures
vans, J. W. 5=8090, Focusing of optical systems
vans, J. W. 5=15885, Solar photosphere
vans, L. E. + 5=11126, Resonance model for \Sigma^+-K<sup>+</sup> production
Evans, R. 5=13888, Probability foundations of thermodynamics
Evans, R. A. 5=6752, Si and Ge mechanical properties
vans, R. M. 5=2362, Variables of perceived color
Evans, R. W. 5=12501, Creep of gold
Evans, T. 5=9308, Precipitates in diamonds
Evans, W. H. 5=8457, \pi-p s-wave scattering vans, W. J. 5=4518, Satellite disturbance torques
vdokimenko, V. I. + 5=12221, Crystal structure of Pr-Mg
    compound
Evdokimenko, V. I. 5=12223, Structure of rare earth—Mg system vdokimov, V. M. 5=8736, Atomic electron shell
vdokimova, ♥. V. + 5=15154, Compressibility of cerium
venson, K. M. + 5=2951, Microwave transitions in CN
Evenson, K. M. 5=11629, Microwave discharge cavities
verett, D. H. 5=3511, Adsorption from solution. I
verett, D. H. + 5=6166, Thermodynamics of hydrocarbon
    mixtures
Everett, G. E. 5=256, Microwave cavity for magnetic resonance
Everhart, E. 5=1060, Electron capture in collisions
Everhart, E. 5=3072, Thermal dissociation of H
veritt, C. W. F. + 5=4864, Third sound in liquid He films
Evetts, J. E. 5=12677, Type II superconductors
```

```
+Evrard, R. 5=3945, Polaron self energy
Evrard, R. 5=15424, Statistical properties of photomultipliers
+Evseev, V.S. 5=5664, Interaction constants in \mu-capture
Evseev, V.S. + 5=5666, Neutrons due to Ca \(\mu\)-capture
Evseev, Z. Ya. 5=12626, Polyelectronic theory of the polaron Evtuhov, V. + 5=8065, Energy density in laser cavity
Evtuhov, V. + 5=14166, Continuous ruby laser
Ewald, P. P. 5=15527, Crystal visible and X-ray optics Ewan, G. T. + 5=2577, Li-drift Ge \gamma-ray spectrometers
+Ewbank, W. B. 5=11197, Magnetic moments of Au<sup>194,195,196</sup>
+Ewing, B. 5=1275, Uniform graphite surfaces
Ewing, R. E. + 5=6394, Gallium arsenide epitaxial films
+Ewy, M. D. 5=10602, Laser mode locking
Exner, G. 5=5724, Optical instruments for hot cells
+Exsteen, G. 5=5913, Dissociation energy of MgO, CaO, SrO and
      Sr_2O
Extermann, P. + 5=2819, n-Scattering by O18
Exton, R.J. + 5=315, Survey spectrograph Eyal, E. + 5=5865, Spectrophotometric study of L_2 + Br
+Eyer, C. F. 5=10697, Intense light sources
Eyges, L. 5=71, Many-body problem
+Eyraud, C. 5=1243, Phases after reduction of U<sub>3</sub>O<sub>8</sub>
+Eyre, B. L. 5=9437, Neutron irradiated Mo
Eyre, B. L. + 5=9447, UC<sub>2</sub> electron microscope study
+Eyring, H. 5=9087, Structure of CCl<sub>4</sub> and C<sub>6</sub>H<sub>12</sub> mixtures
+Eyring, H. 5=6153, Structure theory of transport phenomena
+Eyring, H. 5=6832, Zero-charge potentials of metals
+Eyring, H. 5=13080, Magneto-optical rotation of complexes
Ezawa, H. 5=13885, Many-boson system
+Ezekiel, S. 5=7710, Superconducting suspension for
      accelerometer
Ezhik, I. I. 5=12423, Centers in alkali-halide crystals
```

+Fabelinskii, I. L. 5=1181, Ultrasonic attenuation in liquids Faber, T. E. + 5=11901, Resistivity of liquid alloys Fabre de la Ripelle, M. 5=11211, Mixed symmetry in nuclei +Fabri, G. 5=5270, Si electron—hole generation Fabri, G. + 5=14902, Mössbauer effect in FeGe2 Fault, G. 1 =14502, Mossbauer effect in FeO₂ +Facchini, U. 5=2854, Statistics of U²³⁶ fission +Facchini, U. 5=5699, Fission cross-section in U²³⁵(n,f) +Facchini, U. 5=11378, Model of U235 fission Fache, J. 5=5749, Emission spectrum of He-Ne +Fackler, O. 5=2639, Structure in π^- -p charge exchange Faddeev, L.D. 5=375, Scattering for three-particle system +Faddeev, L.D. 5=2070, Theory of Bose gas Fadin, V.P. + 5=3438, Short-range order in Cu-Al and Cu-Zn Faessler, A. + 5=8529, Deformed even nuclei Faessler, A. 5=11202, Excitation in nuclei Faessler, A. + 5=11255, Single forbidden β -transitions Faeth, P. A. 5=9065, Automatic recording McLeod gauge +Fagot, J. 5=5533, $\gamma - \gamma$ cascades in Mn⁵ +Fagot, J. 5=5721, Hoogenboom method for $\gamma - \dot{\gamma}$ cascades +Fagot, J. 5=8563, $\gamma - \gamma$ cascades in Hg²⁰⁰ +Fahey, R. E. 5=10395, Electric furnace +Fahl'brukh, K. M. 5=570, Spin correlation in pp scattering Fahmy, H. + 5=528, Deuteron stripping reactions +Fahmy, H. 5=5597, Polarization in direct interactions +Faier, H. 5=618, Decay of $\eta\pi\pi$ resonance Faiers, M. E. + 5=14932, Phase changes in Pu +Faile,S.P. 5=10195, Dissolved gas in glasses Fain, D. L. 5=8093, Precision solar simulation Fain, D. L. 5 = 12849, Photomultiplier sensitivity limitations +Fain, V. M. 5=10285, Spin system behavior Fainberg, V. Ya. 5=5165, Quantum field theory Fainberg, Ya. B. + 5=3202, Plasma oscillations by electron beam +Fairbairn, W. M. 5=6457, Models for solid hydrogen. III +Fairchild, C.E. 5=11442, Atomic transition probabilities Fairfield, D. H. 5=13558, Distorted dipole field +Fairfield, J. M. 5=12332, Diffusion of Au into Si Faissner, H. + 5=856, Cluster model of nuclear fission. I Faissner, H. + 5=2584, Interactions of muon-neutrinos +Faissner, H. 5=5320, Neutrino interactions +Faissner, H. 5=8441, Intermediate boson in ν interactions Faist, A. + 5=11430, $^2\mathrm{P}_{3/3}$ states of Cs¹³³ +Faivre, J. C. 5=8550, Excitations in α -Sn scattering Fajans, J. + 5=4863, Phonon reflection in superfluid He Fajans, K. 5=11502, Binding in monohydrides. II +Fakidov, I. G. 5=1774, Antiferromagnets MnSO₄, MnO and FeO +Fakir, M. 5=1804, E.P.R. of Nd3+ in CaF2 Fakirov, D. 5=2559, Momentum ellipses of 2-particle disintegration

vetts, J. E. + 5=12678, Superconductor flux instabilities

vgrafov, V. A. 5=6205, Dispersed media structure

viatar, A. + 5=4475, Density in an ion-exosphere

Farrell, K. 5=6723, Yield point in iron +Farren, J. 5=11567, Ionic electron energies

+Fasana, A. 5=14617, β depolarization

```
Fakirov, D. 5=2580, Neutrino equation of motion
+Fakirov, D. 5=2582, Momentum distribution of neutrinos
+Fakirov, D. 5=2583. Space, momentum distribution of neutrinos
Falconi, O. 5=310, Direction, twist measuring instruments
+Falcoz, A. 5=652, Charged particles in Saclay cyclotron
Fäldt, G. 5=14242, Analyticity in Lorentz space
+Falicov, L. M. 5=3925, g factor in metallic zinc
+Falicov, L. M. 5=3980, Superconducting energy gap
Falicov, L. M. 5=9596, Band structure of arsenic. I.
Falicov, L. M. + 5=15270, Galvanomagnetic effects in metals Falk, H. 5=77, Heisenberg Hamiltonian
Falk, W.R. + 5=2601, Annihilation of positrons
+Falko, I. I. 5=3987, U.S. attenuation in superconductors
+Fal'ko, V. L. 5=15269, E. M. wave propagation in metals
Falkoff, D. L. 5=6099, Master equations and H-theorems
Falomkin, I. V. + 5=8343, High-pressure streamer chamber
+Falomkin, I. V. 5=8446, Muon capture in He<sup>3</sup>
Fan, C. Y. + 5=4477, Electrons beyond magnetosphere Fan, G. J. + 5=4994, New laser pump
+Fan, H. Y. 5=15320, Optical and electrical studies of GaSb
Fan, L. T. + 5=11778, Dispersion of Ostwald-de Waele fluid
+ Fan Liang-Tseng. 5=7986, Magnetohydrodynamic flow
Fan Shou-syan' + 5=2548, Radial ridge cyclotron
Fan Shou-syan!. + 5=2550, Radial betatron oscillations
Fan-van-thik. 5=5786, Selective excitation of Ne atoms
+Fan Yun'-Fei [Fang Yün-Fei]. 5=13200, Statistics of
     interference
+Fancey, N. E. 5=2538, Expansion cloud chambers
+Fang, F. 5=6393, Epitaxy of Zn-doped GaAs
Fang, F. + 5=15337, Scattering in Si inversion layers
+Fang, F. 5=15367, Si field effect transistors
+Fang, F. 5=15368, Surface conductivity of Si in Si-SiO<sub>2</sub>-Al
+Fang, F. F. 5=6987, Si field-effect transistors
+Fang, J. H. 5=6360, Growth of chrysoberyl and alexandrite
Fang Li-zhi. + 5=8035, Three-level frequency converters
Fang Li-zhi. + 5=8040, Linewidth of lasers
Fang, P. H. 5=7921, Relaxation times and activation energies
Fang, P. H. 5=11686-7, Conductivity in plasmas and semiconductors
+Fang Yun-fei. 5=7731, Reception of packets of waves
Fang Yun-fei. See also Fan Yun'-Fei.
+ Fanger, U. 5=818, Cross sections for K^{39}(n, p)A^{39} and K^{39}(n, \alpha)Cl^{36}
+Fankhauser, H. R. 5=9584, Metal electron-electron scattering
Fano, U. + 5=11445, Absorption spectra of rare gases
Fante, R. 5=5974, Erratum: Kinetic equations for plasma
Fante, R. L. 5=11704, Plasma spectrum
Fanti, F. + 5=6694, Dislocation relaxation in aluminum
Fanton, J. C. \pm 5=7243, Mn<sup>2+</sup> spin—lattice relaxation in MgO Fantz, R. L. 5=5113, Visual experience in infants
+Farabaugh, E. N. 5=12099, Ar crystal growth
Faraggi, H. 5=843, Scattering of alpha particles
+Faraggi, H. 5=8550, Excitations in \alpha-Sn scattering
Farago, P.S. 5=5357, Focusing and polarizing n beams
+Farber, M. 5=1900, Heat of formation of AlOC1(g)
 +Fardeau, P. 5=14576, Corrector circuits for a 1.3 GeV/c
     spectrometer
Farge, Y. + 5=15116, Colour centres in irradiated LiF
Farhat, N. H. 5=6016, Plasma power density detector
Farkas, G. + 5=1713, Transparent cathode photomultipliers
Farkas-Jahnke, M. 5=9316, The Patterson function
Farkas-Jahnke, M. 5=12242, New polytype of ZnS crystals
+Farley, D. T. Jr. 5=1942, Equatorial electrojet
Farley, D. T., Jr. 5=11715, Scattering of radio waves
 +Farley, F. 5=3819, Tensile strength of powders
Farmer, J. B. + 5=999, E.S.R. of NF2 radical
 +Farmer, J. B. 5=5894, Ground-state of nitrenes
Farnell, G. C. + 5=10734, Latent-image formation
+Farnsworth, H.E. 5=1323, Electron diffraction system
+Farnsworth, H.E. 5=3515, Cleaning and adsorption of Cr
 +Farnsworth, H. E. 5=3540, Structures of N surfaces
+Farnsworth, H.E. 5=3647, Electron diffraction of (110) Ta
+Farnsworth, H. E. 5=13158, Formation of TaO (111) on Ta (110)
+Farouk, M. A. 5=8670, The F^{19}(d, \alpha)O^{17} reaction
+Farr, R.F. 5=3291, Interfacial tension of emulsion drops
Farragher, A.L. + 5=8958, NO, NO<sub>2</sub> electron affinities Farrall, G. A. + 5=8933, Stability of arcs in gases
Farrar, E. + 5=8728, Mass spectrometer for Ar analysis
Farrar, H. \pm 5=2859, Heavy fragments in Pu<sup>241</sup> fission Farrar, T.C. \pm 5=1004, N.M.R. spectra of HBF<sub>2</sub>
Farrell, D. + 5=1637, Superconducting transition of zinc alloys
Farrell, E. F. + 5=6360, Growth of chrysoberyl and alexandrite
Farrell, J. + 5=1739, Magnetic characteristics of CeFe<sub>2</sub>
```

```
Fasoli, U. + 5=2807, p-Scattering by Li<sup>7</sup>
Fasoli, U. + 5=11312, Li<sup>6</sup>—proton scattering
Fast, G. + 5=2685, A-Nucleon potential
Fastie, W. G. + 5=2000, A=Nucleon potential
Fastie, W. G. + 5=4479, U.V. dayglow measurements: O
Fastie, W. G. + 5=13365, Airglow in far u.v.
+Fastie, W. G. 5=13367, (0, 0) band of N<sub>2</sub>* in dayglow
+Fastovskii, U.V. 5=15760, Magnetic field and positive ions
      inside magnetosphere
+Fateeva, L. N. 5=14551, C^{12} (\alpha, p_0) N^{15}, 16 to 26 MeV Fatehchand, R. 5=8186, Toad eye impedance changes
+Fath, J. M. 5=2013, Ellipsometry for reflection
+Fatou, J. G. 5=6353, Nucleation of long-chain molecules
+Fatt, I. 5=259, N.M.R. absorption circuit
+Fatt, I. 5=9075, Fluid flow in porous media
+Fatt, I. 5=13193, Thermal conductivity of rock
Fatuzzo, E. + 5=1199, Dielectric constant of liquids
Fatuzzo, E. 5=1825, Absorption bands of ferroelectrics
Fatuzzo, E. + 5=6195, Microwave properties of polar liquids
Fatuzzo, E. + 5=9135, Dielectric dispersion in polar liquids
Fatuzzo, E. + 5=11894, Dielectric constant of liquids
+Fauchais, P. 5=3143, Thermodynamics of plasmas
 Fauchais, P. + 5=14706, Thermodynamics of ionized H
Faugeras, P.E. 5=6004, E.M. wave diffraction by plasma
Faulkner, E. A. 5=4976, Circuits for e. s. r. spectrometers
Faulkner, J. + 5=4536, Radiation near massive bodies
Fauske, H. K. 5=6063, Two-phase critical flow
 Faust, J. W., Jr. + 5=6359, Growth of semiconductor crystals
Faust, J.W., Jr + 5=12127, Metal crystal growth
 Faustov, R. N. 5=2444, Renormalization of quasipotential equation
 +Favede, J. 5=10020, Electrolytic ion formation e. s. r.
Favella, L. F. + 5=7860, Vowel recognition
Favret, A. G. + 5=8030, Pulse generator for n.m.r.
Fawcett, B. C. + 5=8748, Ar and Kr resonance lines
Fawcett, E. 5=1599, Galvanomagnetic propertes of metals
+Fawcett, E. 5=1612, Magnetoresistance of b.c.c. iron
+Fawcett, E. 5=6837, Galvanomagnetic properties of metals
+Fawaz-Estrup, F. 5=5918, Binding of Mn<sup>2+</sup> to nucleic acids
Fay, E. + 5=9677, Potential distribution in Ge
 +Faynot, J. M. 5=10089, Irregularities in the ionosphere Fayret, A. G. + 5=9154, N. M. R. in four liquids
 +Fayyazuddin. 5=11116, Nonleptonic decays of hyperons
 +Fazio, M. 5=811, Neutron scattering on S32
 +Fazzini, T. 5=5349, p + p cross-sections at 0,575 to 5.35 GeV
 +Fazzini, T. 5=11298, y-disintegration of Si<sup>28</sup>
 Fea, K. 5=15698, Air density at 3500 km
+Feather, N. 5=2329, "Ghost" lines in prism spectrometer
Feder, J. + 5=1603, Sondheimer oscillations
Federighi, F. D. 5=5363, Spherical harmonics method
+Federighi, T. 5=9220, Al-Zn pre-precipitation rate
 +Federighi, T. 5=12348, Point defects in Al-Sn
 Federighi, T. 5=12357, Vacancies in Al-rich alloys
 +Federighi, T. 5=12642, Cold-worked Al resistivity
 +Federighi, T. 5=14926, Preprecipitation in Al–Mg +Federman, P. 5=14467, \gamma-vibrational state
 +Fedin, V. G. 5=8711, High temperature reactor
Fedomov, I.I. 5=1511, \Delta E effect in barium titanate
 +Fedomova, E. F. 5=15333, Galvanomagnetism in n-Si
 +Fedorenko, A.I. 5=1303, Growth of Be condensates
+Fedorenko, A.I. 5=1512, Vacuum-deposted beryllium films
+Fedorenko, N.V. 5=925, Atomic collision events
 +Fedorenko, N. V. 5=926-7, Atomic collisions
 +Fedorenko, N.V. 5=2911, Charge exchange of protons
+Fedorenko, R. P. 5=8715, Reactor shut-down
 Fedorov, B. V. 5=12969, E. P. R. spectrometer
 +Fedorov, F. I. 5=13016, Reflection and refraction of light by
       crystals
 +Fedorov, F. I. 5=13019, Absorption surfaces for crystals
 +Fedorov, G.V. 5=1607, Hall effect of gadolinium
 +Fedorov, G. V. 5=11952, Alloy evaporation and condensation
 +Fedorov, N. D. 5=14080, Fast vacuum slide gate
Fedorov, O. P. + 5=10429, e-Bombardment heater stabilization
 Fedorov, T. V. + 5=1256, Interaction between C and metals
 Fedorov, V. B. 5=15486, Spectroscope for e. s. r. < 1^{\circ} K
 +Fedorova, M. P. 5=247, Fluxes of radiation on surfaces at 300
 Fedorova, N. M. 5=14839, Effect of ultrasound on polymer solu-
      tions
 +Fedorovich, N. A. 5=9420, Diffusion in thermoelectric materiz
```

+Fedorovich, R. D. 5=15413, Electron emission of Si p-n juncti

Fedorowitsch, R. D. 5=15275, Very thin metal layers Fedoruk, S. O. 5=8575, Scintillation camera

```
Fedorus, G. A. 5=12823, Photocurrent noise CdS crystals
Fredorus, G. A. 5=12824, Impurities and photocurrent of CdS
Fedorus, H. A. 5=4121, Photoválve systems of Cu–CdSe
Fedoseeva, I. K. 5=105, Gas velocity behind shock wave
Fedoseeva, I. K. 5=1145, Gas velocity in fluid
-Fedotov, N.S. 5=1192, Spectra of organic B compounds
Fedotov, O. P. 5=14356, Coordinates on photographs of tracks
Fedulov, S. A. + 5=1268, Phase diagram of PbTiO<sub>3</sub>-BiFeO<sub>3</sub> Fedulov, S. A. + 5=1268, Phase diagram of PbTiO<sub>3</sub>-BiFeO<sub>3</sub> Fedulov, S. A. + 5=9338, PbTiO<sub>3</sub>-CaSnO<sub>3</sub> and PbTiO<sub>3</sub>-CaZrO<sub>3</sub> Fedulov, S. A. + 5=11997, BiFeO<sub>3</sub>-LaAlO<sub>3</sub> system Feenberg, E. 5=7802, Excited states of boson liquid
Feenberg, E. + 5=7900, Matrix elements of fermion system
Fefilov, B. V. 5=10956, Energy of ions in cyclotron
Fegredo, D. M. 5=9580, Fatigue in Zn crystals
Feher, G. 5=1790, E. S. R. in semiconductors
Fehsenfeld, F. C. 5=7525, He* losses in ionosphere
Fehsenfeld, F. C. + 5=11629, Microwave discharge cavities
Fehsenfeld, F. C. + 5=15616, Rates for O and N reactions
Feichtner, J.D. + 5=8751, Cs<sup>133</sup> hyperfine structure
Feigel'son, E. M. 5=13242, Heat, water exchange in atmosphere
+Feigel'son, E. M. 5=13262, Radiation in cloud development
Feigel'son, E. M. 5=15668, Radiative heat into atmosphere
Fein, H. L. 5=3720, Gas Transport in polyethylene
Feinberg, E. L. + 5=2465, Strong interactions at high energy
Feinberg, G. + 5=396, Conservation laws
Feinberg, G. + 5=3801, Conservation laws
Feinberg, G. + 5=8401, Electric dipole moment of nucleons
Feinberg, M. J. + 5=3079, Intermolecular forces
Feix, G. 5=7690, Low-noise receiver for radioastronomy
Feix, M.R. 5=6036, R. F. grids and plasma condensers
Fejer, J. A. 5=6008, Interaction of antenna with hot plasma
Fejer, J. A. 5=6039, Fluctuations in non-equilibrium plasma
Fejer, J. A. + 5=13450, Electrostatic oscillations in ionosphere
Fejer, J. A. 5=13587, Geomagnetic daily variations
Felberbauer, F. + 5=6722, Strain hardening of iron alloys
+Felcher, G. P. 5=7099, Polarized neutrons in magnetism
Felcher, G. P. + 5=7154, Tb[Ho]Ir<sub>2</sub> magnetic structure +Feld, B. T. 5=5398, \pi^- + p \rightarrow \eta^b + n to 1151 MeV +Feld, B. T. 5=10981, \gamma—p Interactions, 0. 5-4. 8 BeV +Feld, B. T. 5=11019, N_{33}^{*} (1238), \rho^{\circ} production
+Feld, B. T. 5=14434, \pi p charge exchange
+Felden, M. 5=14095, V. H. F. cavity resonator
Felderhof, B. U. 5=14760, Radiation fluctuations in plasmas
Feldman, C. 5=4015, Amorphous film electrical conduction
+Feldman, C. 5=12693, Amorphous semiconductors
+Feldman, D. W. 5=3776, Relaxation of F centers in KCl
+Feldman, D. W. 5=7247, Resonance at defects in quartz
+Feldman, D. W. 5=7250, Si point defect relaxation
Feldman, J. L. + 5=9392, Thermodynamic data for Pt
Feldman, M. 5=7917, Fast linear gate :
+Feldmann, W. L. 5=15601, Microwave emission from InSb
Feldtkeller, E. + 5=12903, Wall structure in magnetic films
+Félix, M.C. 5=1676, Electrification of polystyrene
+Feller, S. 5=13048, Fine structure of K edge of Ga
Fels, I. G. 5=1258, Liquid absorption of porous solids
Felsen, L. B. 5=10222, Quasi-optic diffraction
Felsen, L. B. 5=10226, Refractive index diagrams
+Felsen, L. B. 5=10539, Diffraction in anisotropic media
+Feltyn, I. A. 5=15214, Lifetime of carriers in Ge
Fender, B. E. F. + 5=6259, Ar–Kr solid solutions
Fendley, J.R., Jr. + 5=3115, Electron temperature in Cs arcs
+Fenichel, I. R. 5=6164, Diffusion in H-bonding systems
Fenin, Yu. I. + 5=809, Scattering length and neutron cross section
+Fenlon, F. H. 5=11652, Thermal arc column
+Fenner, G. E. 5=4350, Intrinsic gap in GaAs<sub>1-x</sub>P<sub>x</sub>
Fenner, G. E. 5=5011, F. M. of GaAs laser
Fenner, G. E. 5=9948, Emission from Ga(As_{1-x}P_x) diodes
Fenrick, W. J. 5=2017, Simple tangentometer
+Fenyves, E. 5=5394, Inelastic two-prong interactions
+Fenyves, E. 5=5410, Two-prong \pi-p interactions
+Fenyves, E. 5=11079, π -p interactions at 17.2 GeV
Fenzke, D. 5=10581, R.F. spectrometer noise integrators
Feofilov, P. P. 5=13123, Luminescence of rare earths
+Feofilov, P. P. 5=15602, Luminescence of Nd3+ in PnMoO4
Fer, F. 5=7984, Wave properties of charged fluid
Fer, F. 5=14860, E.M. wave propagation in liquid
Ferbel, T. + 5=11036, Antiproton—proton interactions
+Ferder, L. 5=8118, Stroboscopic time-resolved spectroscopy
+Ferenetz, V. Ya. 5=1523, Microhardness of iron
Fergason, J. L. 5=3303, Liquid crystals
+Fergus, R.W. 5=2694, Alpha scintillation counter
                                     A 47a
```

```
Ferguson, A. J. 5=8294, Programs for Chalk River PDP-1
+Ferguson, A. J. 5=8675, \alpha-particle scattering by O
Ferguson, E. E. + 5=7525, He<sup>+</sup> losses in ionosphere
+Ferguson, E. E. 5=15616, Rates for O and N reactions
Ferguson, G. A., Jr. + 5=6476, Pd with absorbed H
Ferguson, J. + 5=9911, Ni<sup>2+</sup> electron structure in Mg[Zn]F<sub>2</sub>
Ferguson, J. M. 5=11182, Shell model p-n interaction
Ferguson, R. E. + 5=5956, Ionic processes in mass spectrometer
+Fernald, F. G. 5=13247, Laser radar echoes from atmosphere
+Fernandez, A. 5=4885, High-voltage pulse generator
Fernandez, A. 5=5269, Solid surface-barrier detectors
+Fernández, A. 5=6361, Obtaining single crystals of alkali halides
Fernandez, A. 5=6626, Dislocation density
+Fernandez, A. 5=12795, Thickness and electric strength of NaBr
+Fernandez, B. 5=8644, Scattering of 14.6 MeV n by S
Fernández, M. T. + 5=12033, Glass surfaces
Fernie, J. D. 5=7597, Period-radius relation for stars
Fernie, J. D. + 5=10124, Astronomical photography. II. Developer
Ferrara Mori, G. 5=8160, Movements of the eye
+Ferraresso, G. 5=4343, Inorganic thermoluminescence
Ferrari, A. + 5=6426, Transmission factors in crystals
Ferrari, A. + 5=12241, Crystal structure of Bis(hydrazine)zinc
      isothiocyanate
Ferrari, C. + 5=1046, Photoionization
+Ferraris, G. 5=1390, Structure of analcite
+Ferraro, A. J. 5=13476, Radio wave phase interaction
Ferraro, A. J. 5=13478, Phase interaction in ionosphere
Ferraro, J. R. + 5=9899, Transition metal salts i. r. spectra
Ferraro, J. R. + 5=9910, Metallic nitrates far i. r. spectra
Ferraro, V. C. A. 5=13538, Ambipolar diffusion in ionosphere
Ferreira Da Silva, J. + 5=6552, Low-temperature specific heat
     of Ni
Ferreira, J. G. + 5=13077, Field from Coster-Kronig transition
Ferreira, L. G. 5=12517, Deformation potentials of PbTe
Ferreira, P. L. + 5=2723, Nuclear quadrupole vibrations
Ferrell, R. A. 5=3978, One-dimensional super-conductivity
Ferrell, R. A. 5=6865, Superconductivity energy gap
+Ferreo, M. I. 5=11107, Branching ratio of \tau' decay +Ferrero, F. 5=5320, Neutrino interactions
+Ferrero, F. 5=8441, Intermediate boson in \nu interactions
+Ferretti, A. 5=12126, Growth of transition metal oxides
Ferretti, B. + 5=10975, Neutrino theory of light
+Ferris, R. H. 5=1928, Signals scattered from ocean bottom
+Ferriso, C. C. 5=2977, Intensity measurements of bands of NO +Ferriso, C. C. 5=5821, Intensity of vibrorotational bands Ferriso, C. C. + 5=8828, Spectra of H<sub>2</sub>O-CO<sub>2</sub> mixtures Ferriso, C. C. + 5=9043, Temperature determinations of gases
Ferro, A. + 5=9561, Fe-Ni fatigue curves
Ferro-Luzzi, M. + 5=8473, K (725) in K<sup>+</sup>p interactions at 3 GeV/c
+Ferroni, F. 5=779, Photoneutrons from medium elements
Ferry, J. D. 5=6759, Mechanical properties of rubbers. I +Ferry, J. D. 5=14842, Dilute solutions of poly-\alpha-methylstyrene
 Ferziger, J. H. 5=14804, Relaxation problem in kinetic theory
Feshbach, H. 5=8609, Theory of nuclear reactions
Feschotte, P. + 5=6287, Laves phase Cr<sub>2</sub>Ta
+Fesenko, E.G. 5=3466, Phase transition in Pb<sub>2</sub>CoWO<sub>6</sub>
Fesenkov, V.G. 5=4649, Isophotes of zodiacal light
Fesenkov, V. G. 5=7649, Dust cloud near earth
+Fessenden, R. W. 5=1240, g factor of H in phosphates
Fessenden, R. W. 5=14673, Internal rotation in radicals
+Fessenko, B. I. 5=7605, Rotation of the galaxy
 +Fetisov, E. 5=13762, X-ray radiation of sun
 +Fett, E. 5=11119, YY production
Fetter, A. L. 5=3253, Sound scattering by a vortex
 Fetters, L. J. 5=14681, Intermolecular coupling in polyisoprene
Fetz, H. + 5=14693, Empirical regularities for recombination
 +Feucht, D. L. 5=4048, p-n Heterojunctions
 Feuersanger, A.E. + 5=9709, Thin barium titanate films
 Feuersanger, A. E. 5=12055, TiO<sub>2</sub> film preparation
+Feuerstein, S. 5=12560, Zn deformation characteristics
Feynman, R. P. 5=50, Quantum theory of gravitation
Fialkovskaya, O. V. 5=7374, Infrared absorption of anthracene Fichtel, C. E. + 5=11151, Cosmic-ray H and He modulation +Fickinger, W. J. 5=603, \pi^*d interactions at 4.5 GeV/c
 +Fickinger, W. J. 5=11081, The \pi^-p \to N_{33}^{*+}\pi^-\pi^- reaction +Fidecaro, G. 5=5349, \vec{p} + p cross-sections at 0.575 to
      5.35 GeV/c
 Fiebiger, N. 5=10925, Multichannel analysers Fiedler, K. 5=9060, Calculation of a molecular screw
 +Fiehrer, M. 5=1714, Gain control for photomultipliers
 Field, A.L., Jr. 5=13153, Ablation of graphite
Field, B. D. 5=5973, Kinetic equation for unstable plasma
```

```
Field, E.C. + 5=1125, Response of plasma to electric field
Field, E.C. 5=5973, Kinetic equation for unstable plasma
Field, G. B. + 5=4612, Intergalactic hydrogen
Field, G. B. 5=7612, Quasi-stellar spherical galaxies
+Field, F. H. 5=10030, Radiolysis of CH,
+Field, J. E. 5=1505, Brittle fracture of solids
+Field, J. H. 5=14439, N* resonances
+Fielder, M. 5=9150, Electron transport in liquid alloy
+Fielding, J.O. 5=9070, Motion in a vacuum system
+Fields, P.R. 5=894, Energy levels of Am<sup>3+</sup>
+Fields, T. 5=622, \u03c0^+-d interactions
Fiermans, L. + 5=6637, Dislocations in Si
Fieschi, R. + 5=6237, H<sup>-</sup>radius in alkali halide crystals
Fieschi, R. + 5=9953, Luminescence of alkali halides
 Fieschi, R. + 5=9963, Luminescence and absorption of NaF
 Fieschi, R. + 5=15036, Impurities in alkali-halide crystals
 Fietz, T. R. 5=11900, Mean conductivity meter
Fietz, W.A. + 5=1634, Magnetization of superconducting
 Nb-25% Zr
+Fietz, W. A. 5=9645, Annihilation instability in superconductors
 Figel'ski, T.R. + 5=12583, Capture of carriers in Ge
 Figgins, B. F. 5=7697, Pressurizing with pure helium
 Figgis, B. N. + 5=5875, Properties of transition metal ions
 +Figielski, T. 5=7037, Photoconductivity in germanium
Figuera, A.S. + 5=587, Neutron spectrometer
 Fikioris, J.G. + 5=28, Multiple scattering of waves. II
Fiks, V.B. 5=3352, Ionic and mass electrical transport
 Fiks, V.B. 5=9164, Electrophoresis of dielectric particles
 Fiks, V. B. 5=12567, Ion drag by electrons
 +Fiks, V. B. 5=15200, Electron scattering by centers
Fiks, V. B. 5=15203, Dynamic charge of metal ions
 +Filatova, I. V. 5=12133, Growth of epitaxial Ge
 +Filatova, T. M. 5=6029, Plasma confinement by h.f. H wave
 +Filatova, T. M. 5=11710, E. M. field in plasma
 Filby, J. D. + 5=6165, Thermodynamics of Au-Cd solutions
 Filby, J. D. + 5=9384, K, Rb, Cs specific heats
 Filer, E.W. + 5=12143, Metallographic preparation using H<sub>2</sub>O<sub>2</sub>
 Filimonov, P. I. 5=6416, Grain motion in Ni-Cr alloys
 Filip, A. + 5=743, 4\pi\beta-\gamma coincidences
 Filip, A. 5=745, Constants radioactive mixture
 +Filipchenko, A. S. 5=15215, Electron scattering in InSb
 Filip'ev, V.S. + 5=3466, Phase transition in Pb2CoWO6
  +Filippi, J. 5=7082, Fe-Cr alloy magnetic properties
  Filippov, A. F. 5=10334, Acoustic diffraction by a wedge
  +Filippov, A. T. 5=8266, Lippman-Schwinger equation
  +Filippov, B. N. 5=3681, Ultrasonics in metals in magnetic fields
  Filippov, B. N. 5=6535, U. S. in metals in a magnetic field
  Filippov, I. G. 5=10315, Diffraction of elastic and shock waves
 Filippov, L. P. + 5=4835, Measurement of thermal conductivity
  Filippov, Yu. A. 5=4148, Glass secondary electron emission +Filishov, E.I. 5=5304, Compton effect on moving electrons
  Filkov, L. V. + 5=10979, Compton scattering on proton +Fillard, J. P. 5=15349, Electron injection in copper
        phthalocyanine
 Filosofo, I. + 5=2846, The S<sup>32</sup>(He<sup>3</sup>, \alpha)S<sup>91</sup> reaction
Filosofo, I. + 5=13358, Photometer for aurora and airglow
  +Fil'shtinskii, L. A. 5=6672, Transverse bending of isotropic
  +Filthuth, H. 5=2686, Sigma leptonic decays
  +Filthuth, H. 5=5449, A-p scattering
  +Filthuth, H. 5=5450, Leptonic decays of charged \Sigma
  Finch, A. + 5=8851, Spectra of B heterocyclic compounds
  Finch, A. + 5=11523, I.R. spectra of BBr<sub>3</sub> and BI<sub>3</sub>.
  +Finch, C. B. 5=7262, Yb<sup>3+</sup> and Er<sup>3+</sup> e.s.r. in ThO
Finch, R. D. 5=6136, Cavitation threshold of degassed water
Finch, R. D. 5=9120, Oscillograms of sonoluminescence
  Finch, R. D. 5=11876, Oscillations in heating waves of cavitated
        liquids
  Findlay, F.D. + 5=1901, The hydrogen-chlorine system. I
+Findlay, F.D. 5=1902, The hydrogen-chlorine system. II
  Findlay, J. W. 5=7688, Radio telescopes
   +Findley, R. W. 5=8356, Synchro-cyclotron beam-pulse stretcher
   Fine, D. H. + 5=7708, Recording vacuum balance
   +Fine, M. E. 5=3861, Precipitation hardening in Mg-Fe-O
   Finegold, L. 5=3992, GeTe: specific heat and superconductivity
   Fink, E. + 5=14641, Electron states in N2, NH and PH
  Fink, H. J. 5=1664, Silicon P-N junctions
Fink, H. J. 5=6850, Magnetoresistance of Ag
  +Fink, R.D. 5=759, Decay of 20 minute Ag<sup>115</sup>
+Finkel' V.A. 5=1265, Phase transformations in Co
   Finkel', V. M. + 5=6762, Ductile fracture of transformer steel
   Finkel'shtein, B.N. + 5=6756, Anelastic effect in Ag-In
```

```
Finkelstein, L. 5=14675, Boltzmann collision operator
Finkenrath, H. + 5=7325, Optical constants of CdO layers
+Finn, A.C. 5=2401, Bounds on renormalization constants
Finn, G. D. + 5=15803, Tables of line broadening
Finn, M.C. + 5=3848, Spontaneous bending of III-V compounds +Finn, M.C. 5=4008, Dember effect in semiconductors
Finnemore, D. K. + 5=6874, Superconductivity in La and La-Gd
Finogenov, A.D. 5=9732, Thermoelectric bridging
+Finogenov, A. I. 5=14369, Linear electron accelerator
Finogenov, K. G. 5=10437, Square voltage pulses
+Finogenov, P. A. 5=14571, Mass-spectrometer with prisms
Finson, M. L. + 5=11807, Heat transfer in monatomic gases
Finzi, A. 5=10131, Cooling of a neutron star
Fiore, N. F. + 5=3750, Dislocation energy in dilute Cu-Ge
+Fiorentini, A. 5=5270, Si electron-hole generation
+Fiorini, E. 5=2655, \pi^- Interactions on nuclei
Fiorini, E. + 5=11110, K+ interactions at 900 MeV/c
+Firestone, A. 5=11036, Antiproton-proton interactions
Firsov, V. G. + 5=1898, Chemical reactions involving muonium +Firsov, V. M. 5=6714, Cold-hardening effect of glass +Firsova, M. M. 5=12437, Vibrations in crystals
 +Firstov, V. A. 5=15138, Plastic deformation distributions
+Firth, P. 5=1200, Dielectric properties of water
Fischbach, D. B. 5=7947, "Diamagnetic Gaussmeter"
 Fischback, E. 5=8205, Internal and quantized symmetries
Fischell, R. E. 5=4515, Earth satellite stabilization
 Fischer, A. G. 5=7402, Electroluminescence in ZnSe diodes
+Fischer, A. G. 5=14940, Phase diagram of zinc telluride
Fischer, A. G. + 5=15347, Preparation of n-type ZnTe
 Fischer, C.O. + 5=14558, Oxyhydrogen reaction in reactor
      simulator
Fischer, D.W. 5=4280, L lines from Zn, Cu, Ni, Co, Fe, Mn, Cr, V
+Fischer, D.W. 5=4313, K series diagram of Mg, Al, Si Fischer, D.W.+ 5=13032, K spectra of Al and O
 Fischer, F. + 5=6652, SH, S and S centres in KCl
 Fischer, F. 5=11863, Density stratification in liquids
 Fischer, F. 5=15565, KCl u. v. OH, OD bands
 +Fischer, G. 5=6888, Microwave studies of Nb<sub>3</sub>Sn
 +Fischer, G. E. 5=10981, \gamma—p Interactions, 0.5-4.8 BeV +Fischer, G. E. 5=11019, N_{33}^{*} (1238), \rho^{\circ} production Fischer, G. J. + 5=11399, U^{238} fast-reactor spectra
 Fischer, H. + 5=5103, High speed kinematography
 +Fischer, H. 5=12366, Impurities in Ni layers
Fischer, J. 5=5158, Green's functions
 +Fischer, J. 5=6450, X-ray diffraction study of CuTiF<sub>8</sub>. 4H<sub>2</sub>O
 Fischer, J. E. + 5=3904, Carrier lifetime in irradiated Ge
 Fischer, K. 5=7024, Alkali metal alloy thermoelectricity
+Fischer, P. 5=6462, Cation distribution of spinel (MgAl<sub>2</sub>O<sub>4</sub>)
Fischer, P. H. H. + 5=14866, E.S.R. of diaryl nitric oxides
 +Fischer, R. 5=4848, Temperature measurement by dispersion
 +Fischer, S. 5=6784, Quantum transport processes.II
  +Fischer, V. K. 5=5398, \pi^- + p \rightarrow \eta^0 + n to 1151 MeV
  +Fischer, V. K. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV +Fischer, V. K. 5=11019, N_{33}^* (1238), \rho^\circ production
  +Fischer, V. K. 5=14434, π p charge exchange
 +Fischer, W. 5=704, Internal pair formation
Fischer, W. + 5=6464, Structure of vanthoffite
  +Fischer, W. 5=8755, Cu I spectra
  Fischer, W. H. + 5=6216, Shock-induced freezing of water
  Fiset, E.O. 5=10878, Reactions of particles with spin
 Fishbourne, E.S. + 5=318, C_2N_3 + N_2O flame
 Fishburne, E.S. + 5=4383, Reflected shock wave
  Fisher, B. + 5=6283, Phase diagram of cobalt monoxide
+Fisher, C. M. 5=14439, N* resonances
  +Fisher, C. M. 5=14510, Shielding studies in steel.III
  +Fisher, D. J. 5=1156, Dispersion of argon
  Fisher, E. W. + 5=13124, Fluorescence in ruby
  +Fisher, G. P. 5=8469, CP nonconservation in K2 decays
  Fisher, M. E. 5=1135, Deviation from van der Waals behaviour
  Fisher, M. E. 5=3266, Specific heat of a gas
  +Fisher, M. E. 5=4202, Magnetic Ni near Curie point
  +Fisher, M.E. 5=12884, Ferromagnet critical isotherm
  +Fisher, P. 5=15552, Excitation spectrum
 Fisher, P.C.+ 5=4551, Stellar X-ray emission: reply
Fisher, P.C.+ 5=7623, Observational result on X-rays
Fisher, P.C.+ 5=10169, Jupiter's X-ray flux
   +Fisher, P. S. 5=8539, Electric dipole resonance of C^{13} and N^{15}
   +Fisher, R. A. 5=7185, Magnetothermodynamics of MnCl<sub>2</sub>
  +Fisher, R. A. 5=7186, Moment and susceptibility of MnCl<sub>2</sub> Fisher, R. A. + 5=7432, Chemisorption of O on Pt +Fisher, R. A. 5=3383, Thermodynamics of MnCl<sub>2</sub> in 100kG fie
   Fisher, R. R. 5=7678, Chromospheric line \lambda 10830
```

Fisher, S. A. 5=2157. Temperature measurement by interferometry isher, S. T. 5=14199, Interferogram Fourier transformation Fisherkeller, M. A. 5=8290, PHYLIS executive program Fishkoya, T. Ya. 5=223, Spherical aberration of quadrupole lens isk, G.A. + 5=2959, Born-Oppenheimer approximation Fiske, M. D. + 5=9643, Superconductive tunneling Fistul, V.I. 5=1647, Magnetoresistance of n-type germanium Fistul', V.I. + 5=6789, Scattering in Ge and Si Fistul', V.I. 5=15208, Electron scattering in Ge Fistul', V. I. 5=15322, Impurities in semiconductors Fitch, R. K. 5=225, Diode s.c.l. current and emission Fitch, V. L. 5=5435, 2π decay of the K_2^c -Fit'chenkov, V.V. 5=2924, Scattering of du atoms Fite, W. L. 5=5917, Maxwellian molecular beams Fite, W. L. + 5=8920, Afterglows in atmospheric gases Fittipaldi, F. 5=14872, Diffusion in liquid suspensions Fitzenreiter, R. J. + 5=13543, Topside sound records Fitzenreiter, R. J. 5=13548, Topside ionosphere fitzgerald, E.R. 5=1501, Phonon fission in crystals Fitzgerald, E. R. 5=3690, Observing audio resonances Fitzgerald, E. R. 5=6522, Particle waves from crystals +Fitzgerald, J. F. 5=5042, Conics as reflector contours +Fitzgerald, R. 5=3999, Superconducting tubes +Fitzpatrick, B. 5=6188, Infrared spectra of water and solutions Fitzpatrick, J. A. + 5=13443, Fishbone echoes Fiutak, J. + 5=8817, HgA van der Waals molecule Fiutak, J. 5=11815, Pressure broadening of spectral lines Fivaz, R. + 5=1558, Electron-phonon interaction Fixman, M. 5=3296, Model of polyelectrolytes +Fixman, M. 5=6084-5, Heat capacity and sound absorption of gas in critical region Fjeldstad, J. E. 5=15651, Waves of tidal origin. I, II Flahaut, J. 5=6478, Rare-alkaline earth selenides Flajzar, B. + 5=6402, Magazine for electron diffractograph Flaker, R.C. + 5=1747, Aging of nickel-iron Flamm, D. 5=11092, Vector-meson system +Flamm, E. J. 5=11172, Atmospheric n from solar p +Flammersfeld, A. 5=1068, Cross-section for K-ionization Flammersfeld, A. 5=8596, K-capture of Ag¹¹⁰ and Ag¹⁰⁸ Flanagan, J. L. + 5=2143, Binaural lateralization of clicks +Flanagan, T. B. 5=9334, Au—Pd lattice spacing +Flanagan, T. M. 5=2167, Liquid nitrogen circulating system Flato, M. + 5=5189, Masses of elementary particles Flato, M. + 5=8230, Relativistic-rotator model Fleck, J.A., Jr. + 5=270, Coupled-mode laser oscillation Flegontova, N. I. + 5=6770, Decrease in metal strength by absorption Fleischer, R. L. + 5=13220, Fission-track ages of micas Fleischer, R. L. + 5=13221, Glass dating +Fleischmann, R. 5=11345, Neutron capture γ -rays of Sm 149 Fleisher, V. G. 5=10932, Accidental-coincidence background Fleming, G. N. 5=5141, Covariant position operators Fleming, P. J. + 5=4114, Photoconductivity of PbS Fleming, R. J. + 5=917, 2³S excitation cross section in He +Flengas, S. N. 5=3652, Crystal structure of ZrCl₃ Flerov, G. N. + 5=5579, Proton decay nuclei Flerov, G. N. + 5=5812, Isotope 104^{2 to} Flerov, G. N. + 5=8685, Synthesis of element 104 +Fletcher, B. 5=7711, Pirani gauge Fletcher, E. 5=693, Heavy He hypernucleus +Fletcher, E. R. 5=5499, Decay of heavy hypernuclei +Fletcher, J. L. 5=10345, Threshold shift with noise +Fleury, P. 5=8452, π^+ + n \rightarrow p + π^0 at GeV/c +Fleury, P. A. 5=6170, Acoustic transients in liquids Flicker, H. + 5=1564, Optical properties of GaP Flinn, I. + 5=4021, Surface measurements on GaAs Flinn, J. E. + 5=9537, β -Co minimum creep rate Flinn, J.E. + 5=9581, Creep of Zn +Flint, R. B. 5=10734, Latent-image formation +Flippen, R. B. 5=9817, Mn_{2-x}Cr_xSb magnetic transition Flippen, R. B. 5=12686, Superconductive transitions +Flood, H. 5=10018, Activity in ionic mixtures. I Flood, J. J. 5=3501, Growth in films of GaAs Florance, E. T. 5=2080, Kubo response functions +Floreen, S. 5=9449, Dislocation velocity variation Flores, A. 5=6058, Statistical equations of hydrodynamics Fibres, A. 5=5030, Statistical equations of hydrodynamics +Flores, A. 5=6104, GCGC and CU theories of dense gases +Flores, J. 5=5481-2, Groups $U_6 \supset U_3 \supset R_3$ for 2s-1d shell +Flores, J. 5=5483, Groups $U_6 \supset R_6 \supset R_3$ in 2s-1d shell Flores, J. + 5=5524, Levels of F^{18} and O^{18} Flores, J. + 5=5527, Levels of Ne^{20} , F^{20} and O^{20}

Flores, J. + 5=5528, Energy levels of Na²² +Florès, J. M. 5=6944, Defects in v-irradiated n-type Si +Flores, J. M. 5=6962, Thick junctions in silicon Florides, P. S. + 5=7761, Stationary gravitational fields Florkowski, T. 5=744, Shielding from bremsstrahlung sources +Florkowski, T. 5=9756, Photomultipliers in d. c. circuit Flowers, B. H. + 5=435, Quasi-spin in LS coupling Flowers, O. L. 5=1928, Signals scattered from ocean bottom Flowers, O. L. 5=13791, Specimen washing apparatus Floyd, J. R. 5=6997, Dielectric losses in high-alumina bodies Fluendy, M. A. D. 5=2923, Recombination detector for H beams Flügge, S. + 5=2065, Quantum mechanical problem Flugge, W. + 5=7826, Vibrations of viscoelastic rod +Fluharty, R. G. 5=5368, n-spectrometer backgrounds Flygare, W. H. 5=11538, Spin-rotation interaction in OF. Flygare, W. H. 5=11568, Molecular magnetic moments in formaldehyde +Flynn, C. P. 5=2272, High temperature n.m.r. probe Flynn, C. P. 5=12315, Vacancy diffusion in alloy Flynn, C. P. 5=12313, Vacancy diffusion in alloy
Flynn, D. R. 5=6568, Determination of thermal conductivity
+Flynn, H. G. 5=14827, Rectified diffusion of cavitation bubbles
Flynn, K. F. + 5=859, Fission fragments from Pb²⁰⁶ and Bl²⁰⁶
+Flynn, T. M. 5=7713, C resistors as pressure transducers +Fo Li-Zhi. 5=4987, Double-cavity masers Foderaro, A. 5=13482, Atmospheric ionization from nuclear bursts +Fodiman, N. M. 5=15075, Interdiffusion in polymers +Fodor, G. 5=743, $4\pi\beta-\gamma$ coincidences +Fodor, I. 5=742, Nuclear decay Foex, M. 5=3240, Plasma guns and solar ovens Fogagnolo, B. 5=234, Point vortex in plane motions Fogel, S. J. + 5=5889, Zero-field splitting of methylene Fogel, Ya. M. 5=14694, Ions produced by H atoms Fogle, B. 5=4480, Noctilucent clouds Foguel, M. 5=4856, Viewing port for furnaces Foh, J. 5=10961, Beam current integrator of e-lineac +Fois, M. 5=14381, Milan AVF cyclotron +Fok, M. V. 5=9933, Exciting light in phosphorescence Fokin, M. N. + 5=7439, Oxide film in Ti passivation Fokkens, K. + 5=6086, Heat conductivity of ³He and ⁴He Földvári, T. L. + 5=14023, Network for inductive transducers Foldy, L. L. + 5=2827, Muon capture in nuclei Foley, E. L. + 5=9402, Thermal diffusivity of nickel Foley, K. J. + 5=8318, Counter hodoscope data handling Foley, K. J. + 5=14415, p-p scattering Foley, W. T. + 5=14410, p-p scattering Foley, W. T. + 5=3326, Diffusion of Tl in Tl amalgams Foley, W. T. + 5=9095, Density and viscosity of Tl amalgams +Folinsbee, R. E. 5=15860, S³²/S³⁴ ratio in meteorites +Folkrod, J. R. 5=11399, U²³⁸ fast-reactor spectra +Folman, M. 5=1282, Spectrum and polymerization of HCN Fomalont, E. B. + 5=4602, Right ascensions for sources +Fomenko, D. E. 5=4927, Polarized ion source +Fomenko, D. E. 5=14417, Polarized ion source Fomenko, L. A. 5=1785, Ferromagnetic resonance in ferrites +Fomichev, V. V. 5=15589, Electro-X-ray luminescence +Fomin, P. I. 5=5303, $\gamma-\gamma$ scattering via bound states Fomin, V.G.+ 5=1331, Structural peculiarities of Si Fomin, V.G.+ 5=1461, Distribution of doping additions of Au in Ge Fonda, I. + 5=2448, Threshold effects and unstable particles Fonda, L. 5=2793, Resonance reactions +Foner, S. 5=4158, De Haas-Van Alphen broadening +Foner, S. 5=4231, Antiferromagnetic resonance in α Fe₂O₃ Fong Duan. + 5=3743, Etching dislocation networks Fong Duan. 5=3753, Dislocations and loops in Mo Fong, F. K. 5=1912, Electrolytic reduction Fong, P. 5=2719, Nuclidic mass equation Fonger, W. H. 5=9988, Luminescence of ZnS_xSe_{1-x} Fontaine, J. + 5=9167, Activation of relaxation in Si gels Fontaine, M. + 5=15758, Magnetic field in France Fontaine-Limbourg, M. C. + 5=14823, Ar-O2 and CH4-CD4 +Fontell, A. 5=14536, Cl $^{35,37}(p,\gamma)$ from 800 keV to 2050 keV +Fontell, L. 5=9355, Structure amplitudes of NaCl Fonton, S. S. + 5=7158, Magnetostriction of BaFe $_{18}O_{27}$ Fooks, G. F. 5=13480, Dynamics of lower ionosphere +Foote, J. H. 5=5997, Convective losses from steady-state plasma Föppl, H. + 5=15868, Study of interplanetary medium +Forbes, D. H. 5=9686, Au in Si: effect on resistivity Ford, G. P. + 5=8697, Fission mass yields Ford, K.W. 5=202, Magnetic monopoles Ford, J. L. C., Jr. 5=2831, Deuteron scattering by Li⁷ Ford, J. L. C., Jr. + 5=11370, $O^{18}(\alpha, p)$ reaction and F^{21} decay

```
+Ford, N. C., Jr. 5=4248, Spin-lattice relaxation of Nd salts
 Forgacs, R. L. 5=12445, Viscometer for polymer studies
 +Forgeng, W. D. 5=6305, Phases in Mn-Si alloys
 Forino, A. + 5=603. \pi^* d interactions at 4.5 GeV/c Fork, R. L. + 5=8136, Spherical mirror interferometer
Forkman, B. + 5=751, Photodisintegration of Mg<sup>24</sup>
 +Forkman, B. 5=752, Nucleon decay from Mg
 +Forkman, B. 5=14554, Photofission of U<sup>238</sup>
Forlani, F. + 5=9740, Photoconductor-dielectric-metal
       sandwiches
 Forlani, F. + 5=12786, Si-SiO2-Al rectification and O vacancies
Forman. R. + 5=226. Inert gas diodes
Formanek, J. 5=5169, Particles with spin 1/2
 Fornaca, G. + 5=8766, Faraday effect in Na vapour
+Fornazero, J. 5=8192, Scalar products of spin functions
 Forrat, F. + 5=13174, Electrolytes based on AlLaO<sub>3</sub>
 +Forrest, M.J. 5=3174, Laser scattering by a plasma
Forrester, A. T. 5=8944, Cs ionization in W capillaries
+Forrester, J.D. 5=1389, Crystal structure of Na fluosilicate
 +Forrester, J. D. 5=6495, Structure of ferrichrome A
 Forrez, G. + 5=3993, Superconductivity of In films
+Forrez, G. 5=12387, Bombardment of Cu and Ge by Ar ions +Forsblom, I. 5=14536, Cl^{35}, ^{37}(p, \gamma) from 800 keV to 2050 keV
Forsen, H. K. 5=3281, Fast valve up to 400°C
+Forsén, S. 5=11593, Assignment of N.M.R. spectra
+Forslind, E. 5=3423, NMR of I<sup>127</sup> round Rb ions in KI
Forst, G. + 5=2228, Electron reflecting microscope
+Forster, H. H. 5=794, Elastic scattering of protons +Forster, H. H. 5=5559, Levels in {\rm TI}^{201m} and {\rm Tb}^{153m}
 Førsvoll, K. + 5=9621, Hall effect of Al
 Førsvoll, K. 5=9622, Refining effect in Al
 Førsvoll, K. + 5=9631, Galvanomagnetic effects in In
+Forsyth, J. B. 5=7069, Polarized neutron diffractometry Forsyth, J. B. + 5=9823, Magnetic structure of FeGe_2
+Forsyth, P.A. 5=4643, Under-dense meteor trails
+Forsyth, P.D. 5=5685, B<sup>11</sup>(He³, Li⁵)Be³ reaction
Fort, E,+ 5=11044, Proton recoil spectrometer
Fortini, A. + 5=6839, Hall effect in metals
+Forty, A. J. 5=5098, Photographic applications of PbI<sub>2</sub>
 Forty, A. J. 5=9173, Optical contrast in melting K
+Forty, A. J. 5=13175, Photodecomposition of PbI
Fosado, M. + 5=5525, Tensorial forces and F<sup>18</sup>
 Foss, J. G. + 5=10728, Magnetic circular dichroism and
       rotatory dispersion
 Foss, M. H. + 5=8356, Synchro-cyclotron beam-pulse stretcher
+Fossan, D. B. 5=8646, Neutron scattering and polarizability
+Fossan, D. B. 5=11337, Neutron cross section
 Foster, A. D. 5=12455, Microscope sample compressor
 +Foster, F. 5=8339, Eyepiece for nuclear emulsions
Foster, G. N., III. + 5=3311, Polymer compressibilities
Foster, K. W. 5=1994, Electron bombardment heating
Foster, L. C. + 5=10602, Laser mode locking
 Foster, N. F. 5=7841, Ultrasonic transducers
+Fotiev, A. A. 5=4327, Na vanadate optical parameters +Fotiev, A. A. 5=13066, Optical study of \rm K_2O-V_2O_5
Fouchaux, R. D. + 5=3697, Thermal expansion and defects in AgCl
 Fougere, P. F. 5=13571, Consistent magnetic charts
 Foulds, K. W. H. 5=4966, Propagation through helical waveguide
+Fourdeux, A. 5=9578, Deformation of W
+Fouriet, R. 5=6521, Dynamics of a urea crystal
Fourie, J. T. + 5=9304, Specimen nolder for electron microscope
Fourie, J. T. 5=9466, Dislocation dipoles in Cu
+Fournier, M. 5=4332, I.R. spectra of C_6Br_6[I_8]
Fousek, J. 5=12801, Temperature autostabilization of ferroelectric
       crystal
Fowler, A. B. + 5=15367, Si field effect transistors
 +Fowler, A. G. 5=11138, Sensitivity of neutron monitors
Fowler, G. N. 5=3940, Excitons in molecular crystals
Fowler, G.N. 5=4282, Theory of hypochromism Fowler, J. F. 5=2526, Solid state dosimetry
+Fowler, J. F. 5=2529, LiF thermoluminescence dosimetry
+Fowler, J. F. 5=2574, CdS radiation detectors
Fowler, R. G. + 5=918, Excited states of He
+Fowler, R. G. 5=5763, Resonance radiation transfer
Fowler, T.K., + 5=3196, Magnetic mirror scattering losses
Fowler, T. K. 5=6002, Refraction in a mirror field
Fowler, T. K. 5=14752, Plasma minimum-B stability
Fowler, T. K. 5=14762, Plasma fluctuations and diffusion
Fowler, W. A. 5=7571, Erratum:stars and gravitational radiation +Fowler, W. A. 5=13219, Heat production in Earth
+Fowler, W.B. 5=2689, Existence of \Omega-hyperon Fowler, W.B. + 5=5452, \Omega-experiment
```

```
Fowler, W. B. + 5=9497, Comments on F-centres in alkali half-
+Fowler, W. B. 5=9602, Electronic properties of AgCl and AgB
 +Fowler, W. B. 5=13270, U.V. radiance of atmosphere
 +Fowles, G. R. 5=4784, Shock waves
 +Fowles, G. R. 5=14155, I-inert gas laser transitions
 Fox, A. 5=3817, Stress relaxation in bending
 +Fox, D. K. 5=7952, 100 kG superconducting magnet
+Fox, J. L. 5=11813, Sound in rarefied gases. I.
Fox, J. [Ed.]. 5=5027, Symposium on quasi-optics
+Fox, J. D. 5=5621, Fine structure in analog resonances
 Fox, J. G. 5=5028, Evidence against emission theories
 +Fox, J.W. 5=11818, H viscosity and thermal conductivity
 +Fox, M.E. 5=12871, Magnetic anisotropy of ferrocene
 Fox, N. 5=4730, Moving thermal stress system
 Fox, R. + 5=8423, n-p scattering and emulsions
 Frackowiak, D. 5=9128, Fluorescence of chlorophyll
Frackowiak, M. 5=954, C <sup>3</sup>II<sub>a</sub> state of N<sup>15</sup>, +Frackowiak, M. 5=8817, HgA van der Waals molecule
 Fradkin, D. M. + 5=2385, Wavefunctions for Dirac particle
+Fradkin, D. M. 5=2473, Polarization in potential scattering Fradkin, D. M. 5=14228, Harmonic oscillator and \mathrm{SU}_3
 +Fradkin, E. E. 5=10676, Integral equations for resonators
 +Fradkin, M. I. 5=5470, Nuclear component of cosmic rays
 Fradkov, A. B. 5=13992, Obtaining liquid neon
 +Fraenkel, B. S. 5=13048, Fine structure of K edge of Ga
+Fraenkel, G.K. 5=3050, Linewidths in e.s.r. spectra
+Fraenkel, G.K. 5=11585, Free radical e.s.r.
 +Fraenkel, G. K. 5=11586, Semiquinones spin-density by e.s.r.
 +Fraenkel, G. K. 5=11606, Spin densities in free radicals
Fraenkel, Z. + 5=5694, Spontaneous fission of Cf<sup>252</sup>
+Fraga, E. R. 5=11229, Angular correlation in liquids
Fraga, S. 5=2871, Integrals for one-electron operations
Fraga, S. 5=8197, Self-consistent configuration interaction
Frahn, W. E. + 5=5667, Absorption model of deuteron scattering
 Frahn, W. E. + 5=5690, Reactions between complex nuclei
Fraiman, Yu. E. 5=7883, Thermal properties of materials
Frait, Z. 5=1782, Spin-wave resonance in iron
+Fraitova, D. 5=12887, s-d Exchange in metals
Frána, J. + 5=2748, \gamma-spectrum of La isotropes Frána, J. + 5=5582, Decay of Cs<sup>134</sup>
+Français, G. 5=11563, Spectra of 1.1-dimethyl-hydrazine-dibora
Francis, G. + 5=3195, Plasma trapping in magnetic mirror
Francis, N.C. + 5=2796, Interactions in nuclear surface
François, B. + 5=14996, Calcination kinetics of UO2
+Francombe, M. H. 5=3501, Growth in films of GaAs
Francombe, M. H. 5=9274, Crystal growth in Bi<sub>2</sub>Te<sub>3</sub> films
Françon, M. 5=2339, Applications of physical optics
Francon, M. + 5=8105, An interference focometer
Frandon, P. + 5=6955, Variations of capacity at junction
Frank, F.C. 5=1475, Diffraction spikes in diamond
Frank, F.C. 5=1538, The strength of polymers
Frank, F. C. + 5=12117, Crystallization of high polymers
Frank, L. A. + 5=13412, Outer radiation zone
Frank, L. A. + 5=13413, Electron diurnal variations
Frank, L. A. + 5=13418, Energetic electrons in magnetospheric
boundary
Frank, W. M. 5=5239, Order of S-matrix
Frank, W. M. 5=2488-9, Regularized field theories
+Frank-Kamenetskii, D. A. 5=4585, Shock wave at a stellar surf
+Frank-Kamenetzkii, D. A. 5=5992, Turbulent fields in plasma
+Frank-Kamenetskii, D. A. 5=14744, Magneto-acoustic resonance
     in plasma
Franke, G. 5=2355, Image forming trains
+Franke, H. 5=8354, H ion decay in cyclotron
Frankel, R. B. + 5=730, Conversion electrons from Ce137m
Franklin, A. D. + 5=3733, Relaxation of point defects in NaCl Franklin, A. D. + 5=5430, \gamma-production of the \rho^{\circ} +Franklin, A. D. 5=9421, Polarization of defect pairs
Franklin, A. R. + 5=9759, Photomultiplier tube cooling device
+Franklin, A. R. 5=13033, ADP 2nd harmonic generation
Franklin, J. + 5=5412, p-wave equation for \pi-\pi scattering
Franklin, J. 5=11099, Bootstrap model for mesons
+Franklin, J. L. 5=10030, Radiolysis of CH
Franklin, K. L. 5=4632, Radio waves from Jupiter
Franklin, R.N. 5=3209, Damping of longitudinal plasma waves
Franklin, R. N. 5=6007, Dipole resonances of plasma column
Frankowski, K. + 5=10367, Heat transport between plates
+Franks, A. 5=360, Gratins for X-ray spectroscopy
+Franks, A. 5=1322, X-ray powder specimens
Franks, A. + 5=1351, Comparator for X-ray powder films
Frannoy, B. 5=10421, Rotating field transformer
Frans, R. P. + 5=13015, "Gratings" for soft X rays
```

hysics Abstracts 1965 - Part I (Jan.-June) rantiello, A. 5=1005, NMR of iodine complexes Frantsuzov, A. A. 5=14413, Magnetic moment of proton Franz, F. A. 5=11446, Rubidium spin relaxation Franzen, H. F. + 5=9188, Vaporization of TiS Franzini, P. 5=2686, Sigma leptonic decays Franzini, P. 5=5450, Leptonic decays of charged Σ Franzosini, P. + 5=12290, Atomic heat of Bi Franzosini, P. + 5=12290, Atomic heat of Bi Franzosini, P. + 5=15048, Atomic heat of Mn Franzard, C. 5=5005, Laser radiations in ionized xenon Fraser, B. J. + 5=13612, Man-made micropulsations raser, D. B. 5=1542, Anelastic effects in quartz
Fraser, D. B. + 5=12296, Thermal expansion of metals < 100°K
Fratiello, A. + 5=9159, N. M. R. of paramagnetic salts Fratini, A.V. 5=1860, Auramine perchlorate reflection spectra -Frauenfelder, H. 5=1238, Mössbauer scattering in Os16 Frautschi, C. 5=10869, Perturbations on strong interactions Frautschi, S. 5=2412, Bootstrap theory of octet enhancement Frautschi, S. 5=5183, Ne' eman's fifth interaction Frautschi, S. C. 5=2587, Neutrino opacity. II Frautschi, S. C. 5=10819, B and ∆ supermultiplets Frager, B. C. 5=9332, Neutron diffraction at Puerto Rico Frazer, B. C. 5=9372, Neutron diffraction at Puerto Rico razer, W.R. + 5=2659, Multimeson resonances Freden, S. C. 5=13406, Electron precipitation into atmosphere Freden, S. C. + 5=13408, South Atlantic magnetic anomaly Frederick, J. E. + 5=14842, Dilute solutions of poly-αmethylstyrene Fredericks, W. J. 5=15076, Cd2+ diffusion in KCl Frederking, T. H. K. + 5=11941, Supercooled liquid film convection boiling Fredricks, R. W. 5=13555, Solar wind-magnetosphere interface reed, J. H. + 5=3050, Linewidths in e.s.r. spectra Treed, N. + 5=2729, Nuclear levels of non-normal parity Freed, N. + 5=11185, Deformed binding field. I Freedman, M. S. 5=4364, Electron response of NaI(Tl) Freeland, L.T. 5=2771, C¹⁴ Counting technique Freeman, A. J. 5=6247, Sm¹⁴⁹ in ferrimagnetic Sm crystals Freeman, D.C., Jr. 5=4897, Superconducting magnet coils Freeman, G. H. C. 5=5076, Reflectivity of absorbing film +Freeman, J. M. 5=5654, Neutron cross sections of C. Ca and Fe Freeman, J. M. + 5=14534, Determination of (p, n) thresholds Freeman, J. W., Jr. 5=13409, Outer radiation zone +Freeman, R. 5=5627, Reaction $\text{Li}^7(p, \alpha)\alpha$ up to 12 MeV +Freeman, R. 5=8380, Programmes for nuclear analysis Freeman, R. + 5=11591, Nuclear magnetic double resonance Freeman, R. M. + 5=8666, Resonances in Li⁶(d, α) α and Li⁷(p, α) α Freeman, R. M. 5=8667, Li⁶(d, α) α reaction Freeman, S., Jr. 5=15226, Planar defects in metals Freemantle, R. G. 5=878, Core 5 of ZENITH Frei, V. + 5=12600, Band structure of CdSb Freidman, G. I. 5=8006, Propagation in ferrite-filled waveguides Freier, G. 5=13279, Reply reier, P.S. + 5=663, H and He in cosmic radiation Freier, P.S. 5=2698, H isotopes in solar flares
Freitag, W.O. + 5=9803, Ni-Fe-Mo magnetic films
Fremlin, J. H. 5=3291, Interfacial tension of emulsion drops French, B. R. 5=5421, Evidence for $(K\pi\pi)$ resonance French, B. R. 5=11119, $Y\overline{Y}$ production French, J. B. 5=11198, Nuclear multipole moments French, J. B. 5=11198, Nuclear multipole moments Frenkel, A. + 5=2453, Vector boson theory of weak interaction Frenkel, A. 5=5410, Two-prong π -p interactions Frenkel, A. + 5=8456, π -p, π -p, π -p, K-p and \tilde{p} -p scattering +Frenkel, V. Ya. 5=3190-1, Cyclotron resonance of electrons. I-II Prenzel, A.O.+ 5=4335, 73 cm⁻¹ band in polyethylene Frenzen, P. 5=10054, Turbulence dissipation Frerejacque, D. 5=644, D e.m. form factors
Frèrejacque, D. + 5=5335, p form factor measurement
Fretter, W. B. 5=2655, π Interactions on nuclei
Freund, H. G. 5=4171, Absorption of L-cystine dihydrochloride Freund, H. G. 5=12993, E. S. R. of succinic acid crystals Freund, P. G. O. + 5=8235, Shell model of baryons Freund, P. G. O. + 5=10806, Broken symmetry schemes

+Fric, C. 5=4721, Hall analogue multiplier +Fric, C. 5=10576, Spectrometer for metre waves Frick, M. 5=10106. Photoelectric measurement of Einstein-shift Fricke, G. + 5=2209, Magnetic field measurement +Fricke, G. 5=4916, Electron scattering below 60 MeV +Fricke, K. 5=2778, Decay of Ag110 +Fricken, R. 5=2566, High-energy nuclear interactions +Fridberg, I.D. 5=4071, Conductivity in solid dielectrics Fridkin, V. M. + 5=1694, Photoconductivity of semiconductors +Fridkin, V. M. 5=3426, Photoelectrets +Fridkin, V. M. 5=12809, Photoelectret state in KCl crystals +Fridman, A. 5=5449, A-p scattering +Fridman, A. 5=14446, A-N scattering +Fridman, E. M. 5=10747, X-ray tube for structure analysis Fridman, V. Ya. + 5=1470, Dislocations in lithium fluoride +Fridrikhov, S.A. 5=229, Magnetron with emitting cathode +Fridrikhov, S.A. 5=4925, Hall cut-off in magnetron +Fridrikhov, S. A. 5=7971, Diode magnetron space charge Fridrikhov, S. A. + 5=12797, Electron-excited conductivity in dielectrics +Fridrikhov, S. A. 5=12863, NaCl secondary electron emission +Fridlyand, M. G. 5=5950, Extended arc in argon +Fried, B. D. 5=1125, Response of plasma to electric field Fried, D. L. 5=9749, Noise in photoemission current +Fried, H. M. 5=14274, Two-model field theories Fried, Z. + 5=4960, Scattering of h. f. e. m. wave by electron +Friedberg, S. A. 5=1771, Magnetic susceptibility of FeCl $_2$.4H $_2$ O Friedel, J. + 5=1569, Effective potential method Friedländer, E. M. 5=10895, Correlation counting of coincident +Friedlander, S. K. 5=11855, Dissolution rate at crystal-liquid interfaces Friedman, A. 5=13859, Embedding of Riemannian manifolds +Friedman, H. 5=7601, X-ray emission from the Crab Friedman, H. 5=7622, X-ray astronomy +Friedman, H. C. 5=1993, Doser for microquantities of gas Friedman, H. L. 5=9145, Solution conductance limiting law Friedman, H. L. 5=9146, Solution electrical conductance Friedman, H. L. 5=9147, Conductance of electrolyte mixtures +Friedman, H. L. 5=15627, Electrochemistry of Si-SiO, films Friedman, M. P. + 5=4814, Listening to Markovian signals +Friedman, M. P. 5=10347, Lateralization at unstimulated ear +Friedman, N. 5=6835, Resistivity of metal films +Friedman, N. 5=7142, Ni film magnetic behaviour +Friedman, S. I. 5=7060, Single-electron multiplication Friedmann, G. + 5=13017, Reflection from isotropic dielectrics +Friedmann, G. B. 5=9907, Refractive index of ice Friedmann, H. + 5=2965, HCl and DCl spectra in an Ar matrix Friedmann, M. + 5=11350, $\Sigma\pi$ production by K^- in nuclei Friedrich, H. 5=13103, Luminescence of CdS Friedrichs, H. 5=11440, Plasma NeI and KrI lines Fries, B. A. 5=9034, Steam-flow measurement +Friese, T. 5=5277, Amplifier for pulse counter Friese, T. 5=14314, Deadtime losses for counters +Friesenhahn, S. J. 5=14539, Neutron capture cross section +Friess, E. 5=1496, Internal damping +Friess, E. 5=9517, Recording of internal friction +Friml, M. 5=2924, Scattering of d μ atoms Frinkel', V. M. + 5=3827, Crack propagation +Fripiat, J.J. 5=1287, Properties of silicoaluminas. I Frisch, H. L. 5=3709, Diffusion for glasslike transitions +Frisch, H. L. 5=6906-7, Magnetoresistance of semiconductors and plasmas. II—III
Frisch, H. L. [Ed.] + 5=11769, The equilibrium theory of classical +Frishkopf, L.S. 5=2145, Mammalian cochlea Fristrom, R. M. 5=10374, Burning velocity and flame curvature Frisch, O. R. 5=8616, Nuclei and nuclear reactions +Fritchie, C. J. 5=11499, Excimer formation +Fritsch, K. 5=6179, Brillouin scattering in liquids and solids +Fritz, J. N. 5=13214, Composition of the earth Fritze, K. 5=11263, Decay of Ge⁷⁸ +Fritzsche, A. 5=5103, High speed kinematography +Fritzsche, D. 5=3952, Radiation from Ag targets Fritzsche, H. 5=3019, H-bonds of C_6H_6 and methyl derivatives Fritzsche, H. 5=3020, H-Bonds of p-benzoquinone +Fritzsche, H. 5=12584, Piezoresistance in Sb-doped Ge +Fritzsche, H. 5=12699, Tunneling in semiconductors Froese, C. 5=11443, Hartree-Fock results Froggatt, C.D. 5=8249, Nuclear dispersion theory Fröhlich, F. + 5=15085, F-centres and defects in KCl Frohne, H. 5=2199, Noise of induction machines

Freymann, M. + 5=7012, Dielectric properties of organic semi-

Freymann, R. 5=7012, Dielectric properties of organic semi-

Freund, P.G.O. + 5=11055, Axial vector mesons Freund, P.G.O. 5=14426, U(6) symmetry scheme

Frevert, L. + 5=8596, K-capture of Ag110 and Ag108

Freytag, D. 5=8443, Search for unstable particles Friar, E. M. 5=2293, Striations in He-Ne laser

conductors

conductors

+Fröhner, K. R. 5=4930, Ion extraction from plasma Froidevaux, C. + 5=9873, Pt195 resonance in Pt-Au +Froidevaux, C. 5=10403, Nuclear spin thermometry below 1°K +Frois, C. 5=15139, Annealed Al energy release +Frolov, A. S. 5=11048, Neutron spectrometer +Frolov, N. S. 5=10900, Photography of spark counters +Frolov, O.S. 5=12831, Photoconductivity and noise of PbS layers +From, W. H. 5=2270, ESR spectrometer design +From, W. H. 5=7257, Spin resonance of SnO₂·V Fromageau, R. 5=12472, Deformation and recrystallization of Al Fröman, A. + 5=898, F-series of Cs I. Fromhold, A. T. Jr. + 5=1575, Conduction band of Na_XWO₃ Frommhold, L. 5=8959, Delayed electrons in avalanches Fronsdal, C. 5=2454, Leptonic interactions Fronsdal, C. 5=14249, Elementary particles in curved space +Fronterotta, C. 5=684, Binding energies in C^{12} and Al^{27} +Fronterotta, G. 5=8662, Absorption of pions by nuclei Frood, D. G. H. 5=11684, Acoustical motion in plasma Frosch, R. + 5=741, Decay rates by coincidence method Frosch, R. A. 5=10040, Underwater sound Frost, L.S. + 5=2916, Momentum-transfer of slow electrons Frova, A. + 5=12762, Franz-Keldysh effect in Ge +Fruin, J. F. 5=13683, Cosmic γ flux limit Frumkin, A. N. + 5=6160, Adsorption on Hg-electrolyte boundary +Fry, F.J. 5=4689, Neuroanatomic studies Fry, G. A. 5=14215, Irradiation across retina Fry, G. A. 5=14216, Distribution of light on retina +Fry, W. E. 5=13258, Radar echoes to digital form +Fry, W.F. 5=628, $K^+ \rightarrow \pi^+ + \pi^\circ + \gamma$ +Fry, W.F. 5=2672, Leptonic currents in K decay Fry, W. J. + 5=4689, Neuroanatomic studies +Frye, J. H., Jr. 5=1535, Temperature dependence of yielding +Fryer, E. M. 5=6785, Electronic mean free path in Al Fryxell, R. E. + 5=6698, BeO properties and structure Fu Gao-lien, 5=7756, Thermo-elasticity +Fu Yao-shien. 5=6262, Study of Alnico alloys +Fubini, S. 5=10754, Short wavelengths in Schrödinger equation +Fubini, S. 5=10850, Scattering by singular potentials +Fuchs, E. 5=12903, Wall structure in magnetic films Fuchs, G. L. + 5=2129, Dental turbines noise Fucks, W. 5=10335, Mathematical analysis of music Fucks, W. + 5=11695, θ -pinch shock tubes Fueki, K. 5=987, Electronic states of positive ions +Fugol', I. J. 5=8951, He atom collisions in plasma Fugol, I. Ya. + 5=1030, Pulsed discharge in He Fuhrman, A. Z. + 5=7895, Microcalorimeter for solids, 20-1000°C Fuhs, A. E. + 5=235, M.H.D. flow angle indicator Fujii, K. 5=2447, Particle-mixture interaction Fujii, T. + 5=2675, $K_1^0-K_2^0$ Mass difference Fujii, Y. 5=2441, Resonance and inelastic threshold Fujii, Y. + 5=8246, Nuclear force due to exchange +Fujiki, T. 5=6156, Non-Newtonian viscosity of coiled polymers Fujime, S. + 5=3616, Satellites in electron diffraction Fujime, S. + 5=12187, Al-Ag electron diffraction patterns Fujimoto, F. + 5=6816, Ag-Al plasma oscillation Fujimoto, Y. + 5=15781, Extra-galactic cosmic rays +Fujimoto, Y. 5=15820, Star-like objects +Fujimoto, Y. 5=15821, Galaxy evolution diagram +Fujimura, T. 5=7143, Coercive force of nickel Fujioka, G. + 5=11076, Four-momentum transfer +Fujioka, M. 5=5583, Decay of Ce135 Fujioka, M. + 5=5584, Decay of 2. 2hPr¹³⁸ Fujishiro, T. + 5=1728, Ferro- and antiferromagnetism +Fujita, C. 5=15702, He day airglow +Fujita, H. 5=3327, Osmosis in charged membranes. II Fujita, H. + 5=9669, Hall effect in CdS Fujita, J.I. 5=676, Phenomenological nuclear models +Fujita, S. 5=2150, Thermal transport phenomena Fujita, S. 5=7814, Boltzman equation for quantum gas Fujita, S. + 5=7864, Audition thresholds +Fujita, T. 5=6251, Fe⁵⁷ Mössbauer effect in FeCl. +Fujiwara, H. 5=9801, Relaxation in magnetic films +Fujiwara, H. 5=9972, Luminescence center in ZnS +Fujiwara, K. 5=3616, Satellites in electron diffraction +Fujiwara, S. 5=341, Intermittent stimulation, visual noise +Fukai, M. 5=1593, Cyclotron resonance in germanium +Fukase, T. 5=12687, Flux jumps in superconducting 3Nb-Zr +Fukatsu, M. 5=1020, Friction constant of polymers +Fukatsu, M. 5=15686, S. W. F. association with flares +Fukuda, K. 5=5722, Liquid flow neutron monitor

Fukuda, K. 5=8819, NO i. r. emission + Fukui, K. 5=2699, Primary nuclei Fukunaga, K. 5=8628, Proton scattering from Be9 and Al27 +Fukuoka, N. 5=7180, Magnetic anisotropy of CoO Fukuroi, T. + 5=12687, Flux jumps in superconducting 3Nb-Zr +Fukuroi, T. 5=12716, Magnetoelectric anisotropy in Sb Fukushima, F. + 5=1401, Modification of (COOD)₂. 2D₂O +Fukushima, N. 5=7539, Solar plasma and geomagnetic field Fukushima, N. + 5=15766, Geomagnetic field and plasma stream Fukutome, H. 5=14679, Macromolecules. I Fulbright, H. W. + 5=8333, Spark chamber tape recorder Fulco, J.R. + 5=421, Octet masses +Fulco, J.R. 5=2659, Multimeson resonances Fulco, J. R. + 5=11059, PS₈-PS₈-V₈ coupling constants Fulco, J. R. + 5=11092, Width of resonances Fulde, P. 5=9641, Superconductor tunnelling state density Fuliński, A. 5=7812, Irreversible thermodynamics Fuliński, A. 5=8420, Slow neutron scattering Fuller, C.S. + 5=6800, GaAs acceptor level Fuller, C.S. + 5=15071, Cu diffusion in GaAs Fuller, C. S. + 5=15088, Divacancy reaction in GaAs +Fuller, M. D. 5=12926, Identification of magnetite and hematite Fuller, M. D. + 5=13627, Natural remanent magnetization in rock +Fuller, R. M. 5=15559, I. R. dispersion frequencies of LiI Fullwood, R. 5=5366, Time-dependent n thermalization Fulmer, C. B. + 5=14386, Radiation studies for meson factories Fulton, R. L. 5=249, Spin relaxation Fulton, R.L. + 5=2933, Vibronic coupling. II Fulton, T. + 5=14263, "Super-Lorentz group" L +Fultz, S.C. 5=788, Pb and Bi photoneutron cross sections +Fultz, S.C. 5=8692, Subthreshold neutron fission of Am²⁴1 +Fünfer, E. 5=6020, Measurements in 26 kJ θ-pinch Fung, A. K. 5=14109, Lunar radar return Fung, A. K. + 5=15830, Moon and earth radar returns Fung Si-chang. 5=5566, Barrier thickness nuclides +Funk, E. G. 5=14503, Decay of Eu¹⁵⁰ +Funk, E. G., Jr. 5=11272, Decay of Tb¹⁵⁸(150y) to levels in Gd¹⁵⁸ and Dy¹⁵⁸ Funke, L. + 5=8600, Lu¹⁷⁴¹ electron capture decay Funke, L. + 5=14481, E1 transitions in Er¹⁶⁷ Funsten, H.O. + 5=2555, Beam spread with Princeton cyclotron Funsten, H.O. [Ed.] 5=14372, High energy cyclotron improvement +Funtikov, A. I. 5=3813, Compressibility of 5 compounds +Fuoss, R. M. 5=5912, Dipole association +Fuoss, R. M. 5=11902, Conductance of alkali halides. X Furdyna, J. K. 5=7313, Faraday rotation in semiconductors +Furdyna, J. K. 5=9609, Alfvén-wave propagation in graphite Furlan, G. + 5=8398, Radiative corrections to $e^+ + e^- \rightarrow \mu^+ + \mu^-$ +Furlan, G. 5=10754, Short wavelengths in Schrödinger equation +Furlan, G. 5=10850, Scattering by singular potentials Furlan, G. + 5=14240, Renormalization and bound-state +Furlong, L. R. 5=9393, Improved dilatometer Furman, G. G. + 5=2145, Mammalian cochlea Furth, R. 5=7770, Test of simultaneity theorem +Furubayashi, E. 5=14988, "Gonio-microscope" for metallurgy Furui, S. + 5=2431, Boson levels and composite model. II Furuichi, H. 5=3772, Grain boundary motion in Zn +Furuichi, S. 5=2431, Boson levels and composite model. II Furuichi, S. + 5=2449, Partial-wave dispersion relation Furuichi, S. + 5=11022, Two-w exchange in N-N scattering Furuichi, S. + 5=11100, Pion-pion resonance Furuichi, S. + 5=14411, Boson width and N-N scattering Furukane, U. 5=5991, Collision damping of waves in plasma Furukawa, G. T. + 5=6554, Thermodynamic properties of KBH4 Furukawa, G. T. + 5=13987, International practical temperature scales Furukawa, G. T. + 5=15045, Heat capacity of BeO. Al₂O₃ Furuseth, S. + 5=1383, Arsenides and antimonides of Nb Furuseth, S. + 5=12215, Crystal structure of NbAs₂ +Furusho, K. 5=12392, Ni precipitation in Si Furutsu, K. 5=10533, Statistical theory of e. m. waves. II +Fuschillo, N. 5=3504, Oxide layers on An and Ni films Fuschillo, N. + 5=12043, C and SiO films Fushimi, K. + 5=7932, M. H. D. generator conductivity increase Fushimi, K. + 5=7933, Flame temperature in m.h.d. generator +Fushimi, K. 5=7935, M.H.D. power generator.II Fushimi, K. + 5=7936, M.H.D. power generation Fushimi, S. + 5=12078, Crystals of Pb zirconate-titanate +Fussell, W. B. 5=10683, Standard for spectral irradiance Futaki, H. 5=6947, New type semiconductor +Futch, A. H. 5=5997, Convective losses from steady-state plas +Futrell, J. H. 5=10002, Ion—molecule reaction rates. I Futrell, J. H. 5=10010, wass spectrum of propane yfe, I. M. + 5=15124, Cylindrical waves in solids aal, I. 5=3771, Grain boundary motion Gabaraeva, A. D. 5=13088, Annealing of oriented polystyrene abillard, R. + 5=6840, Resonances in metallic powders Gabillard, R. 5=8020, Signal to noise ratio in e.p.r. abla, L. 5=8517, Nuclear electric quadrupole moment of 152/63 Eu Gábos, Z. 5=3149, Dissipative tensors of plasmas abovich, M. D. + 5=4933, Two-beam ion instability abovich, M. D. 5=10504, Plasma ion sources abovich, M. D. + 5=11692, Quasineutral flow in plasma abriel, A. H. + 5=8122, Grazing-incidence spectrometer Gabriel, A. H. 5=8748, Ar and Kr resonance lines Gabriel, W. P. 5=10396, Sun simulator for heating adomski, J. 5=13756. Evolution of the sun adsden, M. 5=7511, Twillight sodium emission,II Gadzhialiev, M. M. 5=6929, Shubnikov—de Haas effect in InSb adzuk, J. W. + 5=12061, Ions adsorbed on metal Gaevskaya, G. N. 5=1922, Earth system radiation balance aevski, V. + 5=2816, Li⁸ production from Pb by p's afner, G. 5=3617, Reflected electrons from Ni Gage, P. R. 5=6304, MoSi₂-Mo and WSi₂-W systems ager, W. B. + 5=6609, Vacancy generation in MgO Gagnard, R. 5=5783, Stimulated i. r. emission of rare gases agné, J. M. + 5=5774, Isotopic shifts in U spectrum ahm, J. 5=1315, Snow crystals Gaidukov, M. G. 5=3846, Healing of pores in metals Gaidukov, M. G. 5=15130, Creep of Nimonic alloy Gaigher, H. L. 5=9472, Deformation structures in Mo ailitis, A. + 5=3158, Charge scattering on e.m. waves Gaillard, J. M. 5=5320, Neutrino interactions Gaillard, J. M. 5=8441, Intermediate boson in ν interactions aillard, M. K. 5=14442, On the possibility of CP violation in the $K \rightarrow 3\pi \text{ decay}$ aines, E.E. + 5=13400, Decay of artificial electron belt aines, G. L., Jr. + 5=3088, Films of methyl chlorophyllide aines, J.R. + 5=3462, NMR of λ -anomaly in solid D₂ ainotti, A. + 5=6826, Alkali halide positron annihilation ajewski, W. + 5=798, Li⁸ fragments from emulsions interactions ajewski, W. + 5=5689, Li⁸ in heavy particle reactions Gal, E. 5=11818, H viscosity and thermal conductivity Gal, J. 5=10499, Current pulse in vacuum diode al, P.Y. 5=13700, Abbreviation of stars and relativity alagali, R. J. 5=11623, Irreversible Joshi effect alaktionov, B. V. + 5=1130, Temperatures of plasma alaktionov, B. V. + 5=11764, Electron energy in "Alpha" Galaktionova, N. M. 5=289, Emission of CaF,:Sm²⁺ laser alanin, M. D. + 5=8067, Luminescence of ruby and laser action alanopoulos, A. G. 5=7471, Strain release variation Galavanov, V. V. 5=4353, p-n-n* Recombination radiation alavanov, V. V. 5=6934, Comments on Tsidil'kovskii's article on carrier scattering alavanov, V. V. + 5=15215, Electron scattering in InSb Galavanov, V. V. 5=15216, Lifetime of carriers in n-InSb Galbraith, J. N., Jr. 5=13216, Earth's deep resistivity Galbraith, W. 5=656, He $^{\rm s}$ from D interactions Galbraith, W. 5=11086, Pion-proton cross-section albraith, W. + 5=14441, ${\rm K_2^o} \to \pi^+ + \pi^-$ decay Galdin, N. E. 5=7459, Waves in rock Gale, B. 5=1373, Structure of iron carbide ale, B. 5=3923, Fermi edge in X-ray spectroscopy ale, H.J. + 5=2759, Contamination control of Pu²⁴¹ aleev, A. A. + 5=3207, Theory of plasma turbulence Galejs, A. 5=10953, Particle trajectories in acceleration tubes Galejs, A. 5=14367, Inclined-field acceleration alejs, J. 5=10558, Waveguides radiating into plasma alejs, J. 5=10568, V.L.F. waves below ionosphere alejs, J. 5=14113, Waveguide radiating into plasma alginaitis, S. V. 5=13137, Electroluminescent diodes Galil, U. 5=14347, Tape system for multichannel analysis Galitskii, V. M. 5=4985, Properties of two-level system alitsky, V. M. + 5=14405, Radiative effects in e-e collisions

Gallagher, P.K. + 5=3429, Mössbauer effect in $SrFeO_{2,5-3.0}$ Gallais, F. + 5=6183, Magneto-optics of BF_3 and BU_3 solutions Gallais, F. + 5=7373, Magneto-optics of chloroethyl Al Gallais, F. + 5=11501, Diamagnetism of B compound bonds Gallawa, R. L. 5=4965, Propagation in nonuniform waveguides +Galli, A. 5=3136, Ion-molecule reactions in C.H. Galligan, J. M. + 5=12560, Zn deformation characteristics Gallily, I. + 5=11855, Dissolution rate at crystal-liquid interfaces Gallina, V. + 5=31603, Dissolution rate at crystal—inquid inte Gallina, V. + 5=3734, Vacancy—phonon perturbation. III—IV Gallina, V. + 5=9461, Lattice distortion around dislocations +Gallmann, A. 5=11367, B¹¹(He³, α) and B¹⁰ levels +Gallmann, A. 5=11371, Al²⁷(He³, p)Si²⁹ at 5 MeV +Galloud, M. 5=11036, Antiproton-proton interactions Gallouët, L. 5=4651, Stellar magnitude of Sun +Galonsky, A. 5=5626, Thresholds for (p, n) reactions +Galoshina, E.V. 5=1636, Superconducting in V-Sc alloys +Galoshina, E.V. 5=6843, HF resistivity and susceptibility +Galotto, C. P. 5=9461, Lattice distortion around dislocations Gal'perin, E. L. + 5=1402, Structure of polytrifluorochloroethylene Gal'perin, F. M. 5=12920, Atomic nuclei of ferromagnetics +Galpern, E. G. 5=988, CH vibrations of hydrocarbons Galster, S. 5=551, Polarization of bremsstrahlung Galtier, F.+ 5=178, Plasma furnace +Galvele, J. R. 5=13157, Corrosion of Al in $\rm H_2O$ Gamavunov, N.I. 5=160. Heat and mass transfer Gamba, A. + 5=2043, Causality and conformal invariance Gamba, A. 5=10251, Symmetrical coordinates in relativity Gamba, A. 5=10252, Time dilation +Gambhir, R. S. 5=14801, Properties of gaseous mixtures +Gambhir, R. S. 5=14807, Thermal conductivity of gas mixtures Gambino, R. J. 5=12101, Growth of Eu doped BaO and SrO Gambling, W. A. + 5=8022, Application of ammonia maser to e.s.r. Gammel, J. L. 5=9764, Magnetic properties of LiF Gamo, H. 5=2146, Entropy of light beams +Gamo, H. 5=10597, Optical resonator modes +Gamo, H. 5=14096, Discussion on resonators Ganapol'skii, E. M. + 5=6537, U.S resonance in ruby Gandhi, J. M. + 5=3246, Variational principle for a fluid +Gandhi, J. M. 5=3247, Variational principle for Couette flows +Gandhi, J. M. 5=14807, Thermal conductivity of gas mixtures Gandhi, O. P. + 5=4910, Magnetic compression of electron beams Gandy, H. W. + 5=15600, Triply-activated glass luminescence Gangas, N. + 5=5460, Excited states of He⁶ Ganguli, S. N. + 5=14543, Hyperfragments produced by 3.5 GeV/c Ganguly, S. R. + 5=11156, Bursts of cosmic rays +Ganlard, M. L. 5=2114, Transmission of ultrasonic waves +Gann, V. V. 5=7177, Magneto-elastic waves in antiferromagnetics +Gannon, R. E. 5=10350, Emittance measurements of solids Gannon, R. E. + 5=15537, Emittance of alumina +Ganow, D. 5=12173, Microdiffraction procedures +Gans, F. 5=7388, Electroluminescence of CdS Gantmakher, V. F. + 5=6806, In spiral trajectories Gantois, M. 5=3463, Long-range order of Au-Cu Gantzel, P. K. + 5=3476, Modifications of ThC 2 Ganz, L. 5=5114, Visual figural after-effects Gao Chong-shou. 5=620, Masses of $\pi-\pi$ resonances Gao Chong-shou. 5=5417, $\pi\omega$ and $K_1^{\ 0}$ $K^\pm\,\pi^\pm$ resonances Gao Chong-shou. 5=8215, Strong interaction classification Gao Chong-Shou. 5=8467, φ — ω Mixing and SU₃ Gao Chong-shou. 5=8479-80, Hyperon resonance Y₀^{4*} (2120) Gao Chong-shou. 5=11102, φ - ω mixing +Gaponov, A. V. 5=8006, Propagation in ferrite-filled waveguides Gaponov, Yu. V. + 5=5323, Inelastic v-d scattering Garapov, E. F. + 5=8376, Calibration of gamma-dosimeters Garazha, V. I. + 5=4633, Atmosphere of Mars Garbalyauskas, C. 5=7494, Radioactive fallout +Garbalyauskas, C. 5=7499, Air radioactivity +Garber, M. 5=1688, Thermoelectric power of Cu alloys. II Garber, R.I. + 5=1513, Cleavage in calcite crystals Garber, R.I. + 5=12446, Damping of torsional oscillations Garber, R. I. + 5=12561, Zn creep and thermal stability Garbowska, K. + 5=5623, Interactions of protons with heavy nuclei +Garbowska-Pniewska, K. 5=11024, p $[\pi]$ –Ag[Br], 17-24 GeV +Garbutt, D.A. 5=693, Heavy He hypernucleus +Garbutt, D.A. 5=2825, K captures in emulsion nuclei +Garbutt, D. A. 5=5499, Decay of heavy hypernuclei +Garbutt, D. A. 5=8334, Emulsion with spark chambers García-Colín, L. + 5=6100, Boltzmann equation for dense gases García-Colín, L. + 5=6101, Transport coefficients for dense gases García-Colín, L. 5=6102, Volume viscosity of real gas +García-Colín, L. 5=6103, Expansion of transport coefficients

allagher, P.K. 5=3347, Absorption and fluorescence of Eu(III)

Galkin, A. F. 5=1192, Spectra of organic B compounds Galkin, A. A. 5=1580, Fermi surface in gallium all, R. 5=13557, Penetration through magnetopause

alla, R. T. 5=12042, CdS evaporation source Gallagher, J. J. 5=10575, Millimeter spectroscopy ullagher, P. K. + 5=3346, Energy transfer in solution

```
García-Colín, L. + 5=6104, GCGC and CU theories of dense gases
+García-Colin, L.S. 5=8523, Nuclear level density
+García-Franco, A. 5=10741, Brightness and aniseikonia
+Garcia-Moliner, F. 5=3757, Dislocations in semiconductors
+Garcia-Moliner, F. 5=15222, Carrier transport in Ag halides
+Garcia-Moliner, F. 5=4030, Resistivity in n-InSb
Garif'yanov, N. S. + 5=14971, E. P. R. study of glass
     crystallization
Garif'yanov, N.S. + 5=15494, E.P.R. of glasses
Garcin, G. 5=7832, Velocity by Doppler effect
+Gard, G.A. 5=2810, Optical model of 30 MeV p-scattering. II
+Gard, J.A. 5=12206, Crystal data on FeAlO<sub>3</sub>
+Gardner, A. L. 5=5997, Convective losses from plasma
+Gardner, C. L. 5=5894, Ground-state of nitrenes
+Gardner, F. F. 5=4615, Oh near galactic centre
Garelick, D. + 5=591, Photoproduction of charged mesons Gardner, D. G. + 5=5650, (n, \alpha) in the range 6 \leq Z \leq 30
Gardner, E.E.+ 5=12707, Measurement of resistivity of Si layers
+Gardner, K.R. 5=6181, Light scattering by liquids at 6937Å
Gardner, M. B. 5=4819, Listening in conference telephony
+Garelli, C. M. 5=11107, Branching ratio of \tau' decay Gareyte, J. + 5=3777, F-centres in KI, RbBr and RbCl
Garfinkel, S.B. + 5=8569, Calibration of N.B. S. standard of
     radioactivity
+Garfunkel, M. P. 5=3989, Energy-gap in superconductors
Garg, J. B. + 5=820, Neutron resonance spectroscopy. IV.
Garg, J. B. + 5=8547, Neutron resonance spectroscopy. V. Nb, Ag,
     I, and Cs
Garg, J. B. 5=8568, Merged levels spacing distribution
Garg, S. K. + 5=9141, Liquids. LXIII. Dielectric polar molecules
Garin, A. 5=498, Lithium diffused detectors
Garkusha, I.P. + 5=3245, Solution of spherical inclusions
+Garlick, G. F. J. 5=1710, Photoelectric emission of alumium
Garmire, E. + 5=3340, Brillouin Scattering in liquids
+Garmire, E. 5=10601, Self-trapping of optical beams
Garofalo, F. + 5=3856, Creep of austenitic iron alloy
+Garofano, T. 5=9912, Optical absorption of nickel fluosilicate
+Garr, K. 5=12350, Electron irradiated Cu +Garrett, B. B. 5=8841, Bonding in [VOCl_5]^{3-} and [MoOCl_5]^{2-}
Garrett, H. J. 5=13082, Zirconia i.r. spectroscopy
Garrett, R. M. 5=7859, Loudness of pulses of noise
Garrison, J. D. + 5=5640, Neutron resonance parameters
+Garrison, M. C. 5=9252, Ionic species from gas-solid
     interactions
Garrod, C. + 5=7800, N-particle variational problem
Garrod, R. I. + 5=9301, Radial streaking in diffraction patterns
     cold-worked metal foils
Garron, J. P. + 5=10938, Wide-gap spark chambers
Garron, R. 5=7035, Photoconductivity of films of copper
Garscadden, A. + 5=2293, Striations in He-Ne laser
Garski, H. 5=9352, Structure of silica films
Garton, W.R.S.+ 5=2904, Autoionization lifetime of Al I doublet
Garusov, E. A. +. 5=8709, Calculations on H2O-H2O reactors
+Garver, R. V. 5=4950, Impedance of coaxial lines
+Garvey, G. T. 5=5523, T=2 states in T_z=0 and 1 nuclei
Garvey, G. T. + 5=11193, Isobaric multiplets
+Garwacki, W. 5=6950, Transport properties of ZnSe-ZnTe
Gasanov, A. M. 5=10432, High-stability amplifier
Gashev, M. A. + 5=9015, Characteristics of "TOKAMAK - 3"
Gasimzade, F. M. + 5=6798, Electron state density
+Gaskell, T. 5=9021, Correlation functions classical fluids
+Gasser, F. 5=9322, Programming for neutron diffractometer
Gasson, D. B. 5=6368, Preparation of CaWO<sub>4</sub>:Nd<sup>3+</sup> crystals
Gasteyer, C. + 5=4590, Photography of double stars
Gatehouse, B. M. + 5=3636, High temperature Nb<sub>2</sub>O<sub>5</sub>
+Gates, D.C. 5=2632, Photopion production from H
 +Gates, D. C. 5=11075, Photopion production from deuterium
Gates, D. M. + 5=13788, Spectral properties of plants
Gates, E. 5=9378, Acoustic attenuation at Gc/s in quartz
Gatineau, L. 5=6466, Real structure of muscovite
Gatland, I.R. + 5=2596, Electron-photon interaction
Gatos, H.C., [Ed.]. 5=3480, Solid surfaces conference
+Gatos, H.C. 5=3848, Spontaneous bending of III-V compounds
+Gatos, H.C. 5=3933, Gallium arsenide surface states
+Gatos, H. C. 5=12674, Superconducting InSb-tin
+Gatos, H. C. 5=14881, Peritectic reaction in Nb<sub>3</sub>Sn(Cb<sub>3</sub>Sn)
Gatti, E. + 5=5263, Time resolution in scintillation counters
Gatti, E. 5=10420, Fast analog to digital converters
+Gatto, R. 5=623, nº lifetime
+Gatto, R. 5=2459, Strangeness-violating vector currents
+Gatto, R. 5=2626, Muon absorption in liquid H
+Gatto, R. 5=2824, Muon absorption by a nucleus
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+Gatto, R. 5=8398, Radiative corrections to e^+ + e^- \rightarrow \mu^+ + \mu^-
+Gatto, R. 5=14270, Boson resonances
+Gatto, R. 5=14433, Model for \pi + N \rightarrow N + \eta +Gatzke, J. 5=2338, Silica Toronto lamp
+Gaudaire, M. 5=2253, Oscillator with electronic spin coupling
Gauger, J. 5=11173, Atmospheric neutron flux
Gaulard, M. L. + 5=7969, Characteristics of EC 50 thyratron
Gaultier, J. + 5=15024, Structure of chloro-2 amino- 3
      naphthoquinone. 1. 4
+Gaunt, D. S. 5=12884, Ising model of ferromagnet and anti-
      ferromagnet
Gaur, M.S. + 5=13170, Current carrying conductor
Gaustad, J.E. 5=10158, Search for interstellar ice
Gauster, W. F. + 5=4897, Superconducting magnet coils
Gautam, V. P. + 5=8475, Erratum: angular correlations in K +
+Gauthier, R. V. 5=2571, Photon scintillator
Gautier, D. + 5=8008, Absorption of millimetre waves in oxygen +Gautier, F. 5=9873, Pt<sup>195</sup> resonance in Pt-Au
+Gauvin, W. H. 5=10311, Oscillations of falling discs
+Gavaler, J. R. 5=6397, Pyrolytic silicon epitaxial films
+Gavaler, J. R. 5=9444, Structural imperfection in Si
+Gavaler, J. R. 5=12052, Deposition of silica films
+Gavaleshko, M. P. 5=12870, Magnetic susceptibility of CdS
+Gavan, F. M. 5=10392, Thermocouples and ASTM standards
 +Gavenda, J. D. 5=3900, Open orbits in Cd and Zn
 +Gavini, W. R. 5=12480, Corrosion in ageing Al alloy
Gavis, J. 5=3353, Electrical conductivity of liquids
+Gavis, J. 5=11848, Waves in viscous liquid jet
Gavoret, J. 5=7904, Acoustic impedance of liquid He3
Gavrilin, B. L. 5=13255, Structure of synoptical processes
Gavrilko, V.G. + 5=15194, Density of crystalline Xe +Gavrilov, K. A. 5=5812, Isotope 104<sup>260</sup>
+Gavrilov, K. A. 5=8685, Synthesis of element 104
+Gavrilova, A. V. 5=1254, Scattering of X-rays in crystals
Gavrilyuk, M. I. + 5=3590, Annealing of Ta and its alloys
 +Gavrin, P. P. 5=5977, Turbulent plasma heating
 +Gavrin, P. P. 5=6042, Stability of turbulently heated plasma
Gawin, J. + 5=5471, Effect of photon showers
+Gay, G. 5=3092, Molecular conformation in polymers
Gay, I. D. 5=1890, Integration of rate equations
+Gaydon, A. G. 5=2098, Shock tube with driver gas
Gazazyan, E. D. + 5=10562, Radiation from charge in waveguide
 +Gazier, C. 5=15424, Statistical properties of photomultipliers
Gazis, D. C. + 5=12266, Surface tension and modes in lattices
 Gdalevich, G. L. + 5=13634, Radiotracking of rockets
 +Geacintov, N. 5=9994, Phosphorescence of hydrocarbons in
      polymers
 Geake, J. E. 5=13738, Lunar luminescence
 Geary, T. E. 5=13786, Parkes radio telescope
 +Geballe, R. 5=3128, H2 and D2 collisions with rare gases
 +Geballe, R. 5=8949, Proton-rare-gas collisions
 +Geballe, T. H. 5=3905, Phonon drag in n-InSb
+Geballe, T. H. 5=3999, Superconducting tubes
Geballe, T. H. + 5=6893, Superconductivity in alloy systems
 +Geballe, T.H. 5=15291, Superconductivity in graphitic compound
 +Gebbie, H.A. 5=2969, Interferometric raman spectroscopy
 +Gebbie, H. A. 5=6365, Preparation of carbon disulfide
 +Gebert, E. 5=6460, Crystal structure of KF,
 Gebhardt, E. + 5=14939, UO<sub>2</sub>-Mo system
Gebhardt, E. + 5=15377, UO<sub>2</sub>-Mo properties
 +Gebhardt, W. 5=4316, Optical absorption in KBr
Gebhardt, W. + 5=9498, Alkali halide F-absorption band
 +Gebhart, B. 5=10370, Flow over isothermal wedge
 +Geckle, R. 5=3569, Growth of silver with alumina
 +Gedayloo, T. 5=734, Levels in 75Re<sup>188</sup>
Geffen, N. 5=4935, Magnetohydraulic jump
 Geffroy, J. P. 5=5360, Relaxation of a neutron pulse
+Gegelia, T. G. \,5=13838, Elasticity boundary values Geguzin, Ya. E. + \,5=1310, Mechanism and growth of holes
 Geguzin, Ya. E. + 5=15069, Interdiffusion in crystalline solids
 Geguzina, S. Ya. 5=6525, Elastic waves in mixtures
 Géhéniau, J. 5=10782, Heisenberg theory of particles
 Gehman, W. G. 5=3591, Algebra of crystal structures. I
 Gehrels, T. + 5=10163, Polarization of lunar surface
 +Gehrer, G. 5=14168, Discrete modes in toroidal lasers
+Gehringer, C. 5=5534, Excited levels of Co<sup>58</sup>
 Geibel, J. + 5=14508, Shielding studies in steel. I
 +Geibel, J. A. 5=11027, Nucleon—nucleon collisions
Geibel, J. A. + 5=14513, Shielding studies in steel.VI
```

+Geiger, J.S. 5=11244, Momenta of Pb²¹² conversion electrons Geiger, K.W. + 5=11038, Calibration of neutron sources

Geiger, J. 5=2960, Scattering of 25 KeV electrons.III. By $\rm H_2$ Geiger, J. S. 5=8595, 116 keV isomeric transition in $\rm Ag^{110}$

Geilker, G. D. 5=4549, Versatile slow-motion control Geisler, P. A. + 5=10262, Schwarzschild space-time +Geissler, E. 5=9872, Zeeman spin-spin relaxation in Pt +Geissler, E. 5=10403, Nuclear spin thermometry below 1°K +Geist, D. 5=1721, Magnetic properties of Fe-doped Ge Geist, D. + 5=9837, ESR, conductivity and impurity diffusion in B Geist, D. + 5=15489, E. P. R. of BN Gel'berg, A. 5=5494, Correlation in Mössbauer effect +Gel'd, P. V. 5=6548, Thermodynamic properties of CoSi +Gel'd, P. V. 5=9727, Thermoelectric manganese silicide +Gel'd, P. V. 5=12005, Fe, Si superstructure at elevated temperatures Geldart, D. J. W. + 5=3948, Electron gas at metal densities Geldart, D. J. W. + 5=10295, Electron gas +Gelfand, N. 5=11125, Σ - Λ relative parity Gelin, H. + 5=9716, Ice electrets +Gell-Mann, M. 5=2556, Strongly interacting particles Gell-Mann, M. [Ed.]. + 5=5179, Eightfold way Gell-Mann, M. + 5=5204, Current-generated algebras Gell-Mann, M. 5=14252, Algebra of current components Geller, M. + 5=2942, Erratum; zero-field splitting +Geller, M. 5=4292, Semiconductor reflectivity Geller, M. 5=5734, Two-center Coulomb integrals +Geller, R. 5=6024, Accumulation of energetic plasma +Geller, R. 5=6025, Theory of "dynamic bunch" +Geller, R. 5=9017, Plasma in "Pleiades" machine +Geller, S. 5=1763, Square-loop polycrystalline garnets Geller, S. + 5=4213, Substitution of Co in YFe garnet Geller, S. + 5=6872, Superconductivity of intermetallic compounds Geller, S. + 5=7161. Gd Fe garnet studies Geller, S. + 5=9814, Rare-earth iron garnets Geller, S. + 5=12675, Superconductivity in In—Te system Geller, S. + 5=12944, Y-free ferrimagnetic garnets Geller, S. + 5=12953, Substitution of Ti⁴⁺, Cr³⁺ and Ru⁴⁺ in YFe garnet +Gelle, S. H. 5=1997, Vacuum-distilled beryllium Gellie, R. W. + 5=5612, Photodisintegration of molybdenum Gellings, P. J. 5=11519, Xe-F bond lengths +Gel'mont, B. L. 5=1086, Waves in plasma +Gel'mont, B. L. 5=6538, Thermomagnetic waves in a solid +Gelsema, E. S. 5=8474, $K^-P \rightarrow K^*N$ and KN^* at $3~{\rm GeV/c}$ +Geltman, S. 5=5843, Excitation of H₂ rotation +Geltman, S. 5=11423, Compound-atom states Gemmell, D.S. 5=2534, Particle discrimination +Gemmell, D.S. 5=8289, PHYLIS on-line computer Gemmell, D.S. 5=8291, Programs for PHYLIS +Gemmell, D. S. 5=11318, Resonance in $P^{31}(p, \gamma_0)S^{32}$ Gen, M. Ya. + 5=11991, Ag-Cu in dispersed region Gen, M. Ya. + 5=12986, Finely dispersed Li e. s. r. +Gendrin, R. 5=7534, Pearl-type emissions at conjugate points Genest, A. A. 5=8161, Electroretinogram of the human eye +Geneux, E. 5=11430, 2P3/2 states of Cs133 +Gengnagel, H. 5=1736, Demagnetization factors +Genkin, G. A. 5=6638, Dislocation etching of KBr and NaCl Genkin, G. M. + 5=4230, Antiferromagnetic resonance line Genkin, G. M. 5=12697, Polaron conductivity Genkin, G. M. 5=15471, Nonresonance absorption Genkin, V. N. 5=75, Theory of cross-relaxation Genkin, V. N. + 5=10285, Spin system behavior Genolio, R. J. 5=10775, Renormalization in field theory Genshaft, Yu.S. 5=1374, Lattices of phases under high pressure +Genshaft, Yu. S. 5=15154, Compressibility of cerium Gentle, K.W. + 5=3108, Gas flow in a plasma column Gentle, K. W. + 5=3179, Neutral gas temperature in plasmas +Genz, H. 5=8650, Total neutron cross-sections +Genzel, L. 5=5055, Filter for far infrared +Genzel, L. 5=5072, Metal grids for far i.r. spectroscopy George, N. + 5=15558, Faraday effect in magnetic fields +George, R. 5=8473, K (725) in K⁺p interactions at 3 GeV/c George, T. V. + 5=11483, Molecular scattering of laser light Georgescu, A. 5=180, Cryostat for reactor Georgesku, I. I. + 5=10198, Preparation of uranium hydride +Georgian, J.C. 5=2156, Temperature scale +Gerard, A. 5=3906, Morin transition on hematite Gerasimenko, V.I. + 5=14671, Dissociation of diatomic molecules Gerasimov, A.B. + 5=4112, Photoconductivity in Ge Gerasimov, A. I. + 5=10444, Impulse generator Gerasimov, S. B. 5=11286, Thomas—Reiche—Kuhn sum rule +Gerber, H. J. 5=5320, Neutrino interactions +Gerber, H. J. 5=8441, Intermediate boson in ν interactions +Gerber, J. P. 5=2722, Interactions of K⁻ mesons with emulsion +Gerber, J. P. 5=8655, K⁻-nuclear hyperfragments

Gerber, R. + 5=9816, Magnetism of Mn ferrites +Gerber, S. B. 5=3800, Elongation of U by N irradiation Gere, E. A. + 5=4883, High-speed pulse divider Gereth, R. + 5=1567, Phonon drag in silicon Gerharz, R. 5=8364, Masses of elementary particles Gericke, O. R. 5=12154, Ultrasonic spectroscopy of steel Gerischer, H. 5=12705, Determination of semiconductor type by corrosion +Gerkin, R. E. 5=4252, E.S.R. absorption in phenanthrene Gerks, I. H. + 5=4970, Radio propagation over plane earth Gerlich, D. 5=1522, Elastic constants of indium arsenide Gerlich, D. 5=3881, Elastic constants of SrF. Gerlich, D. 5=6523, Sound velocity in CaWO4 Gerlich, D. + 5=6549, Specific heats of Ge, Si and Ge-Si +Gerlovskaya, L. V. 5=11945, Condensation mechanism of ionic compounds +Germagnoli, E. 5=6826, Alkali halide positron annihilation +Germagnoli, E. 5=12356, Recovery of metals +Germagnoli, E. 5=14902, Mössbauer effect in FeGe₂ Germain, G. + 5=6496, Molecular structure of merocyanine Germanov, E. P. + 5=13062, X-ray reflections from Mo Germanov, C. A. 5=15002, A-ray renections from Mo Germogenova, O. A. 5=15671, Light scattering by particles +Gerold, V. 5=3586, Guinier—Preston zones in Al—Ag +Gerold, V. 5=12147, Structure and properties of Al—Zn +Gerovich, V. M. 5=6160, Adsorption on Hg-electrolyte boundary Gerritsen. H. J. + 5=277. Blue gas laser +Gerritsma, C. J. 5=14668, Spin—lattice relaxation in methanes Gerry, E. T. + 5=11698, Thomson scattering for plasmas +Gerry, M. C. L. 5=999, E.S.R. of NF₂ radical +Gersdorf, R. 5=12921, Magnetostriction of Fe, Co, Ni alloys Gershenzon, E. L. + 5=14824, Liquid ultrasonic atomization +Gershenzon, E. M. 5=15253, Cyclotron resonance in Ge Gershtein, S. S. + 5=14231, Two-center problem Gerstein, I.S. + 5=416, Vector mesons Gerstein, I.S. + 5=10847, Strong-interaction symmetries Gerstein, I.S. 5=14257, Higher symmetry schemes Gerstein, I. S. + 5=14261, Resonances in U₃⊗ U₃ symmetry +Gerstenkorn, S. 5=5774, Isotopic shifts in U spectrum Gert, L. M. + 5=3498, Formation of diffusion coatings Gerth, E. + 5=2035, Coupling of pendulums +Gertsenshtein, M. E. 5=4780, Amplification of flexural waves Gervais, H. P. 5=5882, U. V. spectra of carbonyl group Gervais, H. P. 5-5883, Fine spectra of chromophore groups Gervais, H. P. 5=14628, Spectra of chromophores Gervais, J. L. 5=2661, Bootstrap model of ρ +Gervais, J. L. 5=10853, One-particle-exchange approximation +Gerward, L. 5=6636, Dislocation mapping Gerzha, L. A. + 5=6708, Cu₂Au alloy strain-hardening Geschwind, S. + 5=9840, Cr³⁺ in Al₂O₃ Geshkenbein, B. V. + 5=5216, Single-vertex function poles +Gessaroli, R. 5=603, π^* d interactions at 4.5 GeV/c +Gessaroli, R. 5=11074, Single pion production +Gessaroli, R. 5=11081, The $\pi^- p \rightarrow N_{33}^{*+} \pi^- \pi^-$ reaction Gestblom, B. + 5=5908, Proton n. m. r. of symmetrical molecules +Gestblom, B. 5=11593, Assignment of N.M.R. spectra Gestrin, G. N. + 5=4956, E.M. waves in periodic structures. I-II +Getty, R. R. 5=13155, Conversion of heat of H + Cl₂ into vibration +Getz, R. W. 5=12339, Diffusion in UC Geus, J. W. 5=3964, Chemisorption and metal properties +Geusic, J E. 5=1226, Properties of Eu and Tb in YIG +Geusic, J. E. 5=1228, Properties of Nd in YIG +Gevers, R. 5=3761, Imperfections in films of TiO, +Gevers, R. 5=3765, Fringe patterns in electron microscopy Gevers, R. + 5=3767, Stacking faults in thick foils. II +Gevers, R. 5=6620, Fault structures in wurtzite Geyer, E. H. 5=4610, Quasi-stellar radiogalaxies Gföller, D. 5=10995, Cherenkov radiation in crystals Ghatak, A. K. + 5=11041, Transient spectra in graphite +Ghate, P.B. 5=1439, Self-diffusion in antimony Gheorghita-Oancea, C. + 5=7042, Photovoltaic effect of tellurium Gheorghiu, O.C. 5=246, Transmission lines +Gheorghiu, Z. 5=3597, Diffraction absorption in cylinders +Ghesquière, C. 5=5349, p+p from 0.575 to 5.35 GeV/c Ghielmetti, F. 5=5029, Operators for photon probabilities Ghielmetti, H. S. + 5=11161, Cosmic rays at low latitudes +Ghika, Gr. 5=619, Mass of $\pi\pi$ state +Ghirardi, G.C. 5=2448, Threshold effects and unstable particles Ghirardi, G.C. + 5=8241, Bound states of a given interaction +Ghită, C. 5=7940, Caesium-cadmium diode +Ghose, A. M. 5=777, Scattering cross sections of gamma rays Ghose, A. M. 5=14390, $\cos^{0}\gamma$ Compton effect 5=14390

+Ghose, B. 5=14039, Cockcroft-Walton voltage multiplier Ghose, J. K. 5=9238, Surface tension of a solid Ghose, S. 5=15516, Al²⁷ n. m. r. Ghosh, B. 5=6679, Elastico-viscous layer folding instability Ghosh, M. L. 5=4433, Explanation of Pr-phase Ghosh, N. N. 5=2045, Five-dimensional Lorentz transformation Ghosh, S. N. + 5=4634, Martian atmosphere Ghosh, S. N. + 5=8762, States of N atoms from N_2 recombination +Ghosh, U.S. 5=7222, g—Tensors in Cu salts +Ghosh, U.S. 5=12875, Magnetic properties of Cs₂CuCl₄ Giacconi, R. + 5=10160, X-rays in Scorpius and Sagittarius Giacconi, R. + 5=13701, Soft X-ray telescope Giacomelli, G. + 5=5434, Low-energy $K_{\mu 3}$ Giacomelli, G. 5=8459, π^{t} —p and p—p scattering at high energies +Giaever, I. 5=9643, Superconductive tunneling Giagomo, P. 5=5079, Reflectivity of multilayer coatings +Gialanella, G. 5=598, Deuteron as nucleon target Giamati, C. C. + 5=11030, $p-\alpha$ scattering at 40 MeV +Giambiagi, J. J. 5=7720, Reduction formula +Giambiagi, M. 5=11498, Perturbation expansion for bond orders Giannelli, G. 5=14320, Localization of sparks in chambers Giannini, M. + 5=5607, γ -resonant scattering in Rb, Ni, Cd +Gianolio, L. 5=1112, Magnetic configuration of cylinder Giao, A. 5=13669, Theory of cosmological models +Giardini, A. A. 5=9789, Curie point at high pressure +Giardini-Guidoni, A. 5=3136, Ion-molecule reactions in C3H8 Giarola, A. J. 5=9594, Studies in impure semiconductors Giauque, W. F. + 5=7185, Magnetothermodynamics of MnCl₂ Giauque, W. F. + $\,$ 5=7186, Moment and susceptibility of MnCl Giauque, W. F. + $\,$ 5=9383, Thermodynamics of MnCl in 100kG field Gibart, P. 5=12877, ReO₂ magnetic properties +Gibb, O. L. 5=235, M.H.D. flow angle indicator +Gibb, T. C. 5=8831, Chemical applications of Mössbauer effect. I +Gibbons, D.J. 5=15223, Electron hopping in S Gibbons, J. F. + 5=1616, Switching of NiO films Gibbons, J. F. 5=4068, Theory of p-n-p-n devices +Gibbons, J.H. 5=817, Neutron capture and transmission Gibbons, J. H. + 5=11365, Total cross section for ${}^9\mathrm{Be}(\alpha,\,\mathrm{n})^*$ +Gibbons, J. H. 5=15791, Stellar neutron capture Gibbons, P. E. 5=13976, Contacts for radiation detectors Gibbons, R. A. + 5=8932, Arc flute stabilization +Gibbons, W.A. 5=3065, Intramolecular forces and n.m.r. spectra Gibbs, G.B. 5=1446, Diffusion in transition metals Gibbs, G. B. + 5=15169, Stress relaxation of Mg alloy +Gibbs, P. 5=12476, Internal friction Gibbs, W. R. + 5=8695, Fission anisotropy Gibbs, W. R. + 5=11357, Ne²⁰(d, n_Y)Na²¹ reaction Gibrat, R. 5=2863, Stability of nuclear reactor assemblies Gibson, A. + 5=5084, Display for optical interferometer +Gibson, J. A. B. 5=10984, High-energy γ dosimetry Gibson, J. F. 5=8878, Copper e.s.r. hyperfine linewidths +Gibson, W. M. 5=2518, P-N junction particle detectors +Gibson, W. M. 5=2616, 1 - A Jancton partial +Gibson, W. M. 5=6663, Energy loss in Si +Gibson-Wilde, B. C. 5=13361, Variation of airglow +Gibson-Wilde, B. C. 5=13364, [O I] 6300 A airglow Gibson-Wilde, B. C. + 5=15725, Long range trans-equatorial v.h.f. Gidal, G. + 5=8470, μ polarization from K_{u3}^* decay +Gidal, G. 5=11122, Lambda-hyperon beta decay Gielen, P. + 5=12173, Microdiffraction procedures Gienapp, H. 5=10654, Reflection on a wavy surface Gierke, G. v. + 5=1104, Behaviour of r.f. plasma probe Gieroszyński, A. + 5=4125, Excelectron emission from Al +Gierts, G. 5=585, Spectral analysis of neutrons Gierts, G. 5=586, Spectral analysis of neutrons +Gierula, J. 5=8499, High-energy nuclear jets Giese, J. H. 5=14782, Impinging jets +Giesecke, J. 5=609, π-N forward scattering +Giesecke, J. 5=2656, Higher TN resonances +Giessen, B.C. 5=3388, Niobium-rhodium system. I Giessen, B.C. + 5=3470, Nb-Ir diagram +Giessen, B.C. 5=3638, Crystal structure of Nb-Rh Giessen, B. C. + 5=6490, Crystal structure of TaNi Giessner-Prettre, C. 5=5910, N.M.R. study of N compounds +Giffon, M. 5=5143, Complete solution of Schrödinger equation +Giffon, M. 5=5144, Construction of the potential +Gigorov, N. L. 5=590, Generation of π° -mesons +Giguère, P. A. 5=1845, I.R. study of crystalline monohydrates Gil, V. M.S. + 5=3065, Intramolecular forces and n.m.r. spectra +Gilat, G. 5=15033, Phonons in β -bass Gilat, J. + 5=2233, Stopping of Dy ions +Gilat, J. 5=2848, n and γ emission by Dy and Tb

+Gilat, J. 5=11338, $O^{17}(n,p)N^{17}$ and $O^{18}(n,d)N^{17}$ with reactor $n^{\prime}s$ +Gilazov, N. A. 5=10580, N.M.R. spectrometer +Gilbert, D. 5=13582, Recording rapid magnetic variations +Gilbert, E. R. 5=9537, β -Co minimum creep rate +Gilbody, H. B. 5=8770, Excitation in ion-atom collisions +Gilboy, W. B. 5=8422, Multiple scatter corrections +Gilboy, W. B. 5=8640, Program for scatter corrections Gilboy, W. B. + 5=11325, Fe⁵⁶ neutron scattering Gildart, L. 5=12717, Orbital overlap splitting Gil'dengorn, I.S. + 5=13151, Si and oxidation of 10% Cr-Ni +Giles, J.C. 5=3908, 1s states in As- and Sb-doped Si Gilinsky, V. + 5=5598, Radio emission from nuclear explosion +Gill, D. S. 5=9337, Structure of electrodeposited Fe-Zn Gill, J. C. 5=7225, Tutton salt Van Vleck relaxation Gill, S. J. + 5=11861, Calorimeter for polymer transition studie Gill, W.D. + 5=14083, Sputtering in magnetron Gille, J. + 5=10368, Convection in radiating gas +Gilles, P. W. 5=9188, Vaporization of TiS +Gillespie, R. J. 5=1003, Se effects in F n.m.r. Gillespie, R.J. + 5=3010, Vibration of compounds Si-O-Si, P-O-S-O-S, and Cl-O-Cl Gillespie, R. J. + 5=8886, 19 F N. M. R. spectrum of IF, Gillett, F. C. + 5=13357, Photographic observations of airglow Gilli, L. + 5=14057, Ferrite cores Gillieson, A. H. 5=10112, Solar and extragalactic red shifts Gilliland, A. A. + 5=15610, Decomposition of NaClO3 and KClO3 +Gilly, L. 5=492, Gas Čerenkov counter-disc Gilly, L. + 5=8659, Pion double charge exchange +Gilman, J. J. 5=9450, Edge dislocation dipoles Gilman, S. 5=3519, Anion adsorption on Pt +Gilmer, T. E., Jr. 5=10686, Grating spectrometer for infrared +Gilmer, T. E., Jr. 5=10691, Radiation chopper principle +Gilmore, R.S. 5=14415, p-p scattering +Gilreath, J. 5=4369, Two-photon absorption in anthracene Gilson, D. F. R. + 5=994, Molecular rotation in benzene-AgClO₄ Gilvarry, J. J. 5=10165, Lunar hydrosphere Gilvarry, J. J. 5=15135, Fragment size in repetitive fracture Gimarc, B. M. + 5=5747, Electron correlation in helium atom Gimpl, M. L. + 5=3504, Oxide layers on An and Ni films +Gimpl, M. L. 5=12043, C and SiO films Gin Yau. + 5=7466, Seismic model experiments Gina, P. E. + 5=10650, Frequency modulation of a light +Ginat, M. 5=15816, Spectra of radio sources Gindin, I. A. + 5=6373, Growth of twins in pure iron Gindin, I. A. + 5=6721, Creep and twinning of pure Fe +Gindin, I. A. 5=6743, Creep of nickel Gindin, I.A. + 5=12460, Creep of metals +Gindin, I. A. 5=12561, Zn creep and thermal stability Gindin, I. A. + 5=15131, Creep at low temperatures +Gindin, N. A. 5=12446, Damping of torsional oscillations Gindler, J. E. + 5=2860, Fission fragments of Ra² +Ginestet, J. 5=2655, # Interactions on nuclei +Gingerich, K. A. 5=12202, Rare-earth sesquioxide polymorphs Ginibre, J. 5=10282, Quantum gases I-II Ginibre, J. 5=13813, Complex, quaternion, and real matrices Ginsberg, D. M. 5=4003, Superconductor critical temperature Ginsberg, E. S. + 5=8447, μ polarization from π decay Ginsberg, E. S. + 5=11066, Bosons in μ decay Ginsberg, E. S. + 5=11301, Electron—nucleus scattering Ginsburg, I.M. 5=3028, H bonds in ethers and thioethers Ginsburg, V. L. + 5=5470, Nuclear component of cosmic rays Ginter, M. L. 5=8816, He₂ UAO's 3po and 2s +Ginther, R. J. 5=15600, Triply-activated glass luminescence Gintsburg, M. A. 5=10082, Radio emission from shock waves Ginzburg, V. L. + 5=4539, Gravitational collapse of stars Ginzburg, V. L. + 5=5340, π and β radiation from p's Ginzburg, V. L. 5=6860, Surface superconductivity Ginzburg, V. L. + 5=8999, Amplification of plasma waves Ginzburg, V. L. + 5=10159, Direct sources of X-rays Ginzburg, V. L. 5=12668, Surface superconductivity Ginzburg, V. L. 5=13709, Superconductivity of neutron stars Gion, E. J. 5=13920, Velocity profiles behind a shock Giordmaine, J. A. 5=2274, Light-light interaction Giordmaine, J. A. + 5=2282, Prism reflectors for masers +Giordmaine, J. A. 5=11555, Vibrational interaction in liquids Giorgadze, N. P. 5=1121, Non-linear oscillation of plasma Giorgadze, N. P. + 5=3168, Wave interactions in a plasma +Giorgadze, N. P. 5=15511, N. M. R. in ferromagnets +Giorgadze, N. P. 5=15512, N. M. R. in ferromagnets +Giori, C. 5=7356, Faraday effect in KCr alum +Giori, C. 5=7357, Magneto-optical effect in KCr alum +Giorni, A. 5=5655, Be⁹ and Be⁸ in the Be⁹ (n. 2n) reaction

ovanelli, R.G. 5=4665, Sunspot minima Giovanelli, R. G. 5=10183, "Double limb" in Ho. ovannini, A. + 5=2368, Wigner's little group ppius, A. A. + 5=13118, Luminescence in germanium ippius, A. A. + 5=15599, Radiative recombination in Ge iradeau, M. D. 5=10271, Principle of Gibbs and Bogol'ubov Giralt, G. 5=6986, Silicon transistors with plane structure Girault, B. 5=502, Solid detectors Girchene, V. L. 5=15543, CdTe spectrum under pressure Gires, F. 5=4993, Stimulated phonons or photons irifalco, L. A. 5=12314, Diffusion in f. c. c. crystals Girka, S. A. 5=14043, Voltage regulator Girlea, I. 5=743, $4\pi\beta-\gamma$ coincidences Girlea, I. 5=143, $4\pi\beta-\gamma$ coincidences 3π lrlea, I. 5=866, Reactor's transfer function 3π Gissane, W. J. M. 5=962, Ground states of ScF and YF 3π Gissane, W. J. M. 5=2949, Spectrum of the BaS molecule 3π Girlean, M. Sh. 3π Girlean, M. Sh. 3π Girlean, 3π Girlean, M. Sh. 3π Girlean, 3π G itsu, D. V. 5=15263, Magneto resistance rotation digrams ittleman, J. + 5=6894, Reactance of superconducting films ittleman, J. I. + 5=9638, Superconductors at microwaves iu Do Dang, 5=8525, Collective excitations in nuclei Giuffre, G.J. 5=301, Microdensitometer system iuliano, C. R. 5=3781, Laser damage to dielectrics iulotto, L. 5=8792, Hindered molecular rotation ivargizov, E. I. 5=12134, Ge, Si crystallization Givens, M. P. 5=1840, Optical properties of copper gjaevenes, K. 5=137, Rise time and loudness jellestad, G. 5=15767, Sun and geomagnetic field jessing, D. T. 5=13309, Isotropy properties of tropospheric permittivity ladchenko, L. F. + 5=8871, Spectra of aromatic molecules Gladney, H. M. 5=15487, E. P. R. spectra analysis ladushchak, V. I. + 5=8112, Vacuum spectral intensities Gladyshevskii, E. I. 5=3643, Crystal structure of ScBe₅ Gjøtterud, K. 5=5600, Correlation in aligned nuclei Gladkikh, N. T. 5=11945, Condensation mechanism of ionic compounds ladkova, V.F. + 5=1399, Structure of ZnSeO₃. 2H₂O Gladÿshev, D.A. 5=821, Cross-section of neutrons Gladyshevskii, E. I. 5=1256, Interaction between C and metals ladyeshevskii, E. I. + 5=9340, Structural type Li₂₂Pb₅ Gladyshevskii, E. I. 5=12223, Structure of rare earth-Mg system lansdorff, P. + 5=2074, Potential of entropy production laeser, R. M. + 5=11533, Multipole moments of H₂O lagolev, Yu. A. 5=7482, Temperature field at 20-30 km lang, R. + 5=6675, Stress in films on silicon substrates anz, G. + 5=180, Cryostat for reactor Glaser, H. 5=14767, Macroinstabilities in a theta pinch Gläser, H.J. 5=9837, ESR, conductivity and diffusion in B Glaser, P. E. 5=12546, Adhesive silicate powders Glashausser, C. 5=5354, Polarized and unpolarized neutrons Glashow, S. L. 5=5217, Weak interaction transformations lashow, S. L. 5=10844, CP violating weak interactions lass, A. M. 5=9605, Exciton spectrum of Ge lass, G. P. + 5=10010, Acetylene-oxygen reaction Glass, R. A. 5=13400, Decay of artificial electron belt Glasser, F. P. 5=12206, Crystal data on FeAlO₃ Glasser, F. P. 5=12231-2, Silicates M3SiO5. I-II Glasser, R. G. 5=2686, Sigma leptonic decays Glasser, L. 5=7708, Recording vacuum balance lasser, L. S. D. + 5=12231-2, Silicates M_sSiO_s . I—II Glasser, R. G. 5=5450, Leptonic decays of charged Σ Glattke, T.J. 5=143, Differential thresholds for frequency lauche, E. + 5=7196, Ferromagnetic resonance in Ni-Fe audemans, P.W.M.+ 5=700, Levels in $2s_{1/2} 1d_{3/2}$ shell Glauner, H.W. 5=11402, FR 2 reactor poisoned by H_3BO_3 Glazkov, A. A. 5=14369, Linear electron accelerator lazov, A.A. + 5=538, Single cavity p accelerator lazov, A.A. + 5=10969, Single cavity accelerator for protons lazov, V. M. + 5=14865, Magnetic susceptibility of ZnS-type compounds lazunov, E.A. + 5=14192, Aperture ratio of spectral devices lazunov, P.J. + 5=9512, Reflection of electrons from metals

Gleyvod, R. + 5=11313, Li⁷ proton scattering +Glick, A. J. 5=7806, Validity of many-body methods. I +Glick, A. J. 5=7807. Validity of many-body methods. II Glick, A. J. + 5=7808, Validity of many-body methods. III +Glick, R. E. 5=8943, Ar \(\alpha\)-ray ionization +Glickstein, S. S. 5=11194, Spin of Na²¹ Gliddon, J. E. C. + 5=13541, Perturbation of model F2-region +Gliemeroth, G. 5=6228, Vapour pressure of glasses +Gloeckler, G. 5=4477, Electrons beyond mangetosphere Gloge, D. + 5=8052, Gas laser, single frequency Glotov, V. P. 5=3330, Dissociation of MgSO₄ in H₂O Głowacki, J. 5=6192, Rotation of molecules and fluoresence depolarization Głowacki, J. 5=11602, Dimerization of rhodamin solutions. I Głowacki, J. 5=9119, Fluorescence quenching of dyes Gluck, G. G. + 5=11441, Structure of spectrum of osmium +Glücksman, S. 5=9712, Double hysteresis loop in BaTiO₃ Gluckstern, R. L. + 5=466, Scattering of Dirac particles Gluckstern, R. L. + 5=2594, Scattering of electrons Glueckauf, E. 5=1204, Dielectric constant of solutions Glushkovskii, M. E. 5=10418, Sampling oscilloscope Gmelin, E. 5=6545, Specific heat of Be from 1.2 to 4.4°K Gmitro, M. + 5=5327, Positron—positronium reaction Gnedin, Yu. N. + 5=14233, Theory of multiple scattering Gnevvshev, I. N. + 5=4447, Processes in lower atmosphere Gobeli, G. W. + 5=4137, Photoelectric properties of Ge Gobeli, G. W. + 5=7057, Photoelectric properties of surfaces +Gobeli, G. W. 5=12067, Oxygen adsorption on silicon Gobillon, Y. + 5=3600, X-ray reflection for hypersymmetry Gobrecht, H. + 5=9726, Peltier effect in Ge electrolyte Gobrecht, H. + 5=12057, ZnS evaporated layers Gobrecht, H. + 5=12833, Mobility of illuminated Se Gocan, S. 5=6377, Nickel cobaltite formation +Goddard, A. E. 5=13532, Ionospheric h. f. propagation times Goddard, J. + 5=7118, Magnetic anisotropy of β -cobalt +Godel, A. M. 5=11161, Cosmic rays at low latitudes +Godhwani, N. H. 5=4014, Thermoelectric cooling materials Godik, É. É. + 5=15332, In and B atoms in Si Godivier, R. + 5=15765, Equatorial electrojet Godlewska, W. + 5=15409, Lifetime of Ag-O-Cs photocathodes Godske, C. L. 5=15637, Statistical methods in geophysics Godwin, R. P. + 5=12072, Desorption of Au and Cu from W Godwin, R. P. 5=14958, Desorption for group Ib metals Godwood, K. + 5=3606, "Pendellosung" fringes +Godzhaev, V. M. 5=12460, Creep of metals +Godzhaev, V. M. 5=15131, Creep at low temperatures +Goebel, K. 5=8786, Mu-mesonic X-rays +Goebel, K. 5=14511, Shielding studies in steel.IV Goedbloed, W. + 5=5590, Electron capture decay of ¹⁹⁵Au Goede, O. 5=1868, Green luminescence of CdS Goedeke, A. D. + 5=15732, 1962, 1963 solar cosmic rays +Goedertier, P. V. 5=277, Blue gas laser Goethert, B. H. 5=15769, Space simulation Goettelman, R.C. + 5=311, Optical probe techniques Goff, J. F. 5=1436, Thermal and electrical properties of TiNi Goffaux, R. 5=4341, Electroluminescent powders +Goffredi, M. 5=11903, NaCl conductance in H₂O-ethylene glycol +Goffredi, M. 5=11909, Ce ion conductance in H₂O Goganov, D. A. + 5=14959, X-ray camera for study of glass +Gogate, D. V. 5=10373, Convection in weak electrolytes Gogny, D. + 5=14474, Phenomenological rotation model of Li⁶ +Gohn. 5=3818, Stress relaxation from creep +Goikhman, A. Ya. 5=6585, Cd and Zn diffusion in GaAs Goillot, C. + 5=7957, Inertial spin effect on ferromagnet Goillot, C. 5=15434, Inertial effect of spin Gökdoğan, N. + 5=4567, Utilization of curves of growth +Gökgör, S. 5=11728, Response of a magnetic probe Golabi, S. M. + 5=6478, Rare-alkaline earth selenides +Goland, A. N. 5=9503, Fission-tracks in metal films +Golay, M. 5=10137, Catalogue of stars Golay, M. 5=10138, Properties of Δ , g diagram Golay, M. 5=10139, Position of stars on Δ , g diagram +Gold, A. 5=6231, Symmetry in the solid state Gold, A. + 5=11647, Theory of multiphoton ionization Gold, B. 5=131, Pitch-excited vocoder +Gold, B. 5=2133, Channel vocoder Gold, L. 5=1026, Striations in gas discharges +Gold, L. 5=2596, Electron-photon interaction Gold, L. 5=3142, Joule-Thomson effect in plasmas Gold, L. 5=9004, Instabilities in cold plasmas Gold, L. 5=11740, Electrostatic vibrations in plasmas Gold, R.D. + 5=1668, GaAs Tunnel diodes

lew, D. N. 5=9177, Freezing point curves

azyrin, M. P. + 5=4327, Na vanadate optical parameters

leissberg, W. 5=4509, Solar effect in magnetic storms Glendenin, L. E. 5=859, Fission fragments from Pb²⁰⁶ and Bi²⁰⁶

Glemza, R. 5=13162, Thermodynamics of adsorption of CO_2

lendenning, N. K. + 5=5604, Two-nucleon transfer reactions

lazyrin, M. P. + 5=13066, Optical study of K₂O-V₂O₅

on ZnO

Gold, T. 5=7629, Ranger Moon pictures Goldak, J. A. 5=3610, X-ray diffraction apparatus +Goldan, P.D. 5=1023, Pressure wave in ionized gas Goldan, P. D. + 5=3172, Microwave interactions in plasmas Goldan, P. D. + 5=14710, Electrons in He plasmas Gol'danskii, V.I. 5=2760, Froton emission decays Goldberg, H. 5=14262, Model for resonance +Goldberg, J. 5=8474, $K^-P\to K^*{\rm N}$ and $K{\rm N}^*$ at 3 GeV/c Goldberg, J. L. 5=97, Oscillations of small amplitude Goldberg, M. + 5=2658, Decay modes properties of X° +Goldberg, M. 5=8452, $\pi^+ + n \rightarrow p + \pi^0$ at GeV/c +Goldberg, R. A. 5=13511, Diffusion in upper atmosphere Goldberg, R. A. + 5=13519, Electron density in F region Goldberg, R. A. + 5=13524, F-region +Goldberg, V. Z. 5=657, He³(d, t)2p, He³(He³, α)2p reactions Goldberger, M. L. + 5=2423, S-matrix theory Goldberger, M. L. + 5=10894, Scattered-particle intensities +Goldburg, A. 5=14798, Hypersonic sphere wake +Goldburg, W. I. 5=7289, N.M.R.quadrupolar relaxation Goldburg, W. I. 5=8026, R. F. field effects in n.m.r. +Goldemberg, J. 5=11305, Rh¹⁰³(e, e') and In¹¹⁵(e, e') Golden, D. E. + 5=14619, Electron—He atom scattering Golden, R. M. + 5=2134, Voice-excited vocoder Golden, S. 5=10270, Lower bounds for Helmholtz function +Golden, S. 5=11414, Statistical theory of electronic energies Goldfarb, T.D. + 5=5858, Normal cyanide structure of GeH, CN Goldfarb, V. M. + 5-11655, Cs lines in d. c. arc Goldfischer, L. I. 5-10679, Laser-produced speckle patterns +Goldhaber, M. 5=396, Conservation laws +Goldhammer, P. 5=2729, Nuclear levels of non-normal parity +Goldhammer, P. 5=11185, Deformed binding field. I Gol'din, V. Ya. 5=8427, Quasi-diffusional method for neutrons Golding, R. M. 5=11594, N.M.R. of octahedral complexes +Goldman, A. 5=316. Attachment for grating mount Goldman, A. G. + 5=9973, ZnS electroluminescence, e-emission Goldman, A. J. + 5=1524, Elastic properties of Fe—Ni alloys Goldman, A. J. + 5=12008, Martensitic transformation in Fe alloys +Goldman, D.T. 5=2796, Interactions in nuclear surface +Goldman, L.H. 5=8537, 18 New isomers by d bombardment Goldman, L. M. + 5=14748, Low-density theta pinch Goldman, M. 5=1807, N.M.R. signal shape Goldman, M. 5=7252, Double irradiation on sodium Goldman, R. + 5=548, Electron-ion encounter bremsstrahlung Goldman, R. + 5=1091, Radiation processes in plasma +Goldner, R. B. 5=9739, Au-Fe versus Cu thermocouples Goldreich, P. 5=10120, Satellite orbits +Goldsack, S. J. 5=11119, YY production Goldschmidt-Clermont, Y. 5=8416, p-p collisions at 3, 3.6 GeV/c +Goldschmidt-Clermont, Y. 5=8473, K (725) in K⁺p at 3 GeV/c +Gol⁺dshtein, V. A. 5=10915, Magnetic particle spectrometers +Gold'shtein, V. A. 5=10916, Magnetic particle spectrometer aberrations Goldsmid, H. J. 5=169, Thermal Conductivity Conference, Teddington, 1964 +Goldsmid, H.J. 5=1633, Flux trapping in Nb-Sn Goldsmid, H.J. + 5=15277, Thermomagnetic figure of merit of graphite +Goldsmith, G. J. 5=8869, Fluorescence of naphthacene vapour Goldsmith, H. L. + 5=3380, Suspensions through tubes. III. +Goldstein, B. 5=1564, Optical properties of GaP Goldstein, C. M. 5=7939, Model of thermionic converter +Goldstein, J. H. 5=3068, NMR spectra of vinyl halides +Goldstein, J. H. 5=5905, Ethylenic J_{gen} values +Goldstein, L. 5=1023, Pressure wave in ionized gas +Goldstein, L. 5=3172, Microwave interactions in plasmas Goldstein, L. 5=6141, Pair correlations in liquids +Goldstein, L. 5=11483, Molecular scattering of laser light +Goldstein, L. 5=14710, Electrons in He plasmas +Goldstein, L. M. 5=7040, Si photovoltaic films +Goldstein, M. 5=1441, Migration of Nd ions in glass +Goldstein, R. J. 5=10360, Heat transfer bibliography Goldstein, R. M. 5=7632, Radar investigations of the planets Goldstein, R. M. 5=13745, Radar studies of the planets Goldstein, Y. 5=4000, Pb superconducting tunneling +Goldstein, Y. 5=4025, Surface breakdown in Ge +Goldstein, Y. 5=6884, Superconducting energy gap of Nb₃Sn Goldstone, J. 5=680, Nuclear matter Golebiewski, A. + 5=8860, Hückel treatment of hydrocarbons Golebiewski, A. + 5=8861, Oscillator strengths in hydrocarbons Gol'fand, Yu. A. 5=5148, Extension of quantum mechanics +Golgate, S. A. 5=3222, Synchrotron radiation from a plasma +Golikov, V. M. 5=1437, Diffusion and grain-boundary energy

Golikov, V. V. + 5=11047, ZnS(Ag) + B2O3 n detector Golikova, O. A. 5=12596, Hole mass in Ge +Golin, S. 5=9596, Band structure of arsenic. I. Golitsyn, G.S. 5=7819, Radiative heat transfer Golitsyn, G.S. 5=13254, Pulsations in atmospheric pressure Golitsyn, G. S. 5=15690, Damping of oscillations in atmosphere Golizdra, G. Ya. 5=7735, Potential fields interpolation Gol'nev, V. J. + 5=10167, Radio emission from Jupiter Gol'nev, V. Ya. + 5=4594, Radio emission near nebula N.G.C. 70 Golofarb, L. J. B. + 5=8641, Neutron tunnelling process +Golomb, D. 5=13371, Resonance radiation of AlO +Goloskie, R. 5=11028, Total N-He cross-section near 147 Me Golotyuk, F. P. + 5=14846, Mobility of impurities in liquid Sn Golovanivskiĭ, K.S. + 5=215, Charged particles in magnetic fiel +Golovastikov, N.I. 5=12248, Structure of antimonyl tartrates Golovcenco, I. + 5=15343, Electrical properties of SnO2 films Golovin, A. M. 5=6140, Vibration of droplets in gas stream. I. Golovin, O. P. 5=10452, Low-voltage power supplies Golovko, V. A. 5=7732, Nonlinear waves in statistical media Gol'tsman, B. M. + 5=9273, Semiconductor impurity distribution Gol'tsman, F. M. + 5=7731, Reception of packets of waves Gol'tsman, F. M. + 5=13200, Statistics of interference +Golub, S. I. 5=7400, Luminescence and photoelectricity of AgB +Golubev, V. I. 5=5706, Neutron propagation in UC +Golubeva, N. G. 5=4230, Antiferromagnetic resonance line Golubkov, A. G. 5=10419, Time-interval on oscilloscopes +Golubkov, A.V. 5=1434, Thermal conductivity of Sm and Pr +Golubkov, A.V. 5=12311, Thermal conductivity of MnTe Golubovskii, Yu. B. + 5=8747, Ionic and atomic lines +Golutvin, I. A. 5=10937, Bubble chamber photographs Golyamina, I. P. + 5=15462, Magnetostrictive ferrites Golyk, O.Z. + 5=3399, Melting point of fibres +Golynskif, A. I. 5=8931, Spark conductivity, pressure effect +Golynskii, A. I. 5=10413, Nsec pulse fronts recording Gombás, P. + 5=5732, Statistical atom model. II Gombay, L. + 5=7031, CdS photocurrent +Gombay, L. 5=15357, CdSe—Se barrier layers +Gombosi, E. 5=5410, Two-prong π^- -p interactions +Gombosi, É. 5=11079, π-p interactions at 17.2 GeV +Gomer, R. 5=3509, Desorption of CO from W Gomes, W. + 5=15614, Reduction of alkali halides +Gomes de Mesquita, A. H. 5=9359, System vanadium-gallium Gomes de Mesquita, A. H. + 5=12260, Structure of triphenylmethyl perchlorate +Gomez, J. L. 5=5447, Λ°-N scattering +Gomez, J. L. 5=10079, Radioactive precipitation +Gomez, M. 5=8164, Mono and binocular vision +Gomez-Gimeno, F. 5=8404, N-d scattering at 155 MeV Gonçalves, H. + 5=8847, I. R. spectra of 3-amino amidoximes +Goncalves, M. I. 5=13077, Field from Coster-Kronig transitio Goncharenko, A. M. + 5=13019, Absorption surfaces for crystal Goncharov, V. V. 5=8701, Reactor development in USSR Goncz, J. H. 5=11688, Resistivity of xenon plasma +Gonda, T. 5=10633, C.W. operation of GaAs lasers Gondet, H. + 5=13617, Furnace for paleomagnetism Gondo, Y. 5=3024, Structure and spectra of biphenyl +Gondrand, J. C. 5=5655, Be⁹ and Be⁸ in Be⁹ (n, 2n) reaction +Gonikberg, M. G. 5=11835, Viscosity of liquid Gönnenwein, F. 5=2855, U²³⁶ fission with 14 MeV neutrons +Gontchar, V. J. 5=2813, The reaction $Li^7(p, \alpha)He^4$ +Gontchar, V. J. 5=5680, Alpha particle groups from $P^{31}(d, \alpha)$ S +Gontchar, V. J. 5=8316, Scattering chamber for solid detectors +Gontchar, V. J. 5=11354, $N^{14}(d, \alpha)$ from 1 to 2.5 MeV Gontchar, V. Y. + 5=8671, $Mg^{25}(d, \alpha)Na^{23}$ at low energy +Gontchar, V. Y. 5=14478, Energy levels of Sc49 Gontsov, A. G. 5=10416, D.C. step-up transformer +Good, R. H. Jr. 5=2473, Polarization in potential scattering +Good, R. H., Jr. 5=9887, Zeeman effect for rare-earth ions +Good, R. H., Jr. 5=11002, (3, 3) resonance by neutrinos +Goodall, J. A. B. 5=5465, α and β proportional counter +Goodell, R.S. 5=10498, Magnetron (magnetic diode). II Gooder, A. W. 5=2230, Cathode-ray tube waveforms Goodfriend, P. L. + 5=7443, Photolysis kinetic spectroscopy Goodings, D. A. + 5=3915, Metallic impurity problem Goodisman, J. 5=2377, Hermiticity and Gaussian quadrature Goodisman, J. 5=2961, ${\rm H_2}^+$ and ${\rm H_2}$ wavefunctions Goodisman, J. + 5=2962. Weinstein calculation on ${\rm H_2}^+$ Goodman, A. M. + 5=4044, Metal-semiconductor barrier-height Goodman, B. B. 5=1620, Specific heat of superconductors Goodman, B. B. 5=6902, Superconducting transformer Goodman, C. D. 5=8296, Wired program analyzer +Goodman, C. H. L. 5=15133, Test cell for anvil apparatus +Goodman, G. L. 5=11535, KrF2 i.r. and Raman spectra

```
Goodman, L. 5=11558, ^1A_2(n,\pi^*)\leftarrow ^1A_1 in carbonyl compounds Goodman, L. S. 5=5772, ^3P_1 and ^3P_2 states of Sn^{115,117,119}
oodman, P. + 5=6452, Electron diffraction reflections of CdS
oodman, R. R. 5=10044, Reverberation from the ocean floor
Goodman, S. H. 5=1395, Structure of rhombohedral S
Goodman, S. H. 5=12197, Interatomic distances in solid chlorine
oodman, S. R. + 5=12124, Steel annealing textures
podrich, R. G. + 5=256, Microwave cavity for magnetic resonance codrich, R.S., Jr. + 5=3585, Microscopy of Al-Al<sub>2</sub>O<sub>3</sub>
oodwin, D. W. 5=13039, Laser action in CaF<sub>3</sub>
oody, R. 5=7817, Transmission of radiation in an atmosphere
Goody, R. 5=10368, Convection in radiating gas
oodyear, W. H. 5=13833, Solution for coordinates, two-body
   problem
Goosman, D. R. 5=5576, Energy levels in K37 and A37
opala Krishnan, K. + 5=3101, High voltage discharge tube
opala Krishnan, K. + 5=3101, High voltage discharge tur
opalakrishna, R. 5=9153, Magnetism of liquid mixtures
opasyuk, S. I. + 5=13783, Solar flares
Gopinathan, K. P. 5=736, Decay of Pt<sup>197m</sup>
opinathan, K. P. + 5=2783, Decay of Ce<sup>143</sup>
oral, A. + 5=12939, Square-loop ferrite cores
oral, A. 5=14565, Reactor feedback charge control
orbachev, V. M. + 5=14027, High velocity oscillograph
orban', I.S. + 5=15541, Absorption spectrum in As<sub>2</sub>S<sub>3</sub>
Gorban', N.D. 5=4393, Corrosion of films in air-H2S mixture
Gorbanyuk, A. G. 5=5984, Polarization of plasmoids
Gorbatov, A. A. 5=14015, Recording electrometer orbatov, I. A. 5=10677, Hg lamp luminous characteristics
orbatzkii, V.G. 5=4572, Envelopes in binary systems
Gorbov, A.N. 5=2155, Thermal inertia temperature measuring
orbunov, L. M. + 5=3169, EM wave interactions in a plasma
Gordeev, A. D. 5=15524, Quadrupole relaxation in tetra-
   chloronaphthalene
Gordeev, Yu.S. 5=925, Atomic collision events
Gordeev, Yu. S. 5=926-7, Atomic collisions
Gordeeva, L. D. 5=2850, Kinetic energy of fission fragments
Gorden,R., Jr. 5=7448, Radiolysis of ethane
ordienko, A. G. + 5=14047, Proton magnetometer
Gordon, A. S. 5=10023, Photolysis of propylene
ordon, C. + 5=10327, Losses of resonator
Gordon, D. F. 5=7844, Underwater sound propagation
ordon, D. I. + 5=4192, Charged particles on magnetic materials
Gordon, E. I. 5=5031, Electro-optic gratings for light
Gordon, E.I. 5=274, Frequency stabilization of gas lasers
Gordon, G. 5=6188, Infrared spectra of water and solutions
Gordon, G. E. 5=721, Nuclear levels of Cd115,117
Gordon, J. 5=5118, Hue shift in colour vision
Gordon, J. E. 5=3826, Control of crack propagation ordon, J. P. 5=5051, Optical resonator design
ordon, J. P. + 5=8053, Transient effects in lasers
ordon, M. + 5=3062, P-p coupling in benzylphosphonium salts
Gordon, M. 5=3377, Statistics of polymer systems ordon, M. + 5=9283, Crystallization of polymethylene
Gordon, R. 5=3087, Scattering of K with CH<sub>3</sub>I, Br<sub>2</sub> and IC Gordon, R. B. 5=6759, Grain boundaries in halite
ordon, R. B. 5=12524, Plastic flow of naphthalene
ordon, R. P. + 5=7438, Anionic diffusion in K—NH<sub>3</sub>
ordon, S. + 5=14837, Hydrated electrons in irradiated solutions
ordon, W. E. 5=7522, Backscatter from ionosphere
ordon, W. E. 5=7689, Arecibo ionospheric observatory
Gordon, W. L. 5=4159, Be De Haas-Van Alphen frequencies
Gordy, W. 5=2966, Microwave spectra of HCl and HBr
Gordy, W. 5=7261, VO<sup>2+</sup> e.s.r. in RNA and DNA
Gore, J. V. 5=4489, Plasma trapping in magnetosphere
Gore, J. V. 5=13574, Solar wind—magnetosphere reaction
Gorelik, S.S. 5=1305, Recrystallization of Cu and Al
Gorelik, S. S. 5=3557, Recrystallisation nuclei
Gorelova, M. V. 5=13778, Supercorona during 1959-1963
orevich, I.I. + 5=2663, Neutral K mesons
lorge, V. 5=11017, Pair production processes
Goribosi, E. 5=5394, Inelastic two-prong interactions
Gorichev, P.A. 5=2816, Li<sup>8</sup> production from Pb by p's
Gorid'ko, N. Ya. 5=15161, Photomechanical effect
orin, B. N. + 5=5945, Recovering discharges and lightnings
Goringe, M. J. 5=14990, Goniometer for electron microscope
Gorinov, N. 5=4499, Electron density in E-layer
Gorinov, N. 5=4500, Electron content in E-layer
örlich, P. + 5=281, Activated laser crystals. II
orlov, G. V. + 5=5646, Scattering of polarised neutrons
Gorlov, L. V. 5=8711, High temperature reactor ormezano, C. 5=6017, Measurement of density of plasma
Gorodetskii, A. F. 5=7025, Ge piezo-thermo e.m.f.
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```
Gorodetzky, S. + 5=11367, B^{11}(He^3,\,\alpha) and B^{10} levels Gorodetzky, S. + 5=11371, Al^{27}(He^3,\,p)Si^{29} at 5 MeV
Gorogotskaya, L. I. 5=6475, Crystal structure of singenite
Gorovets, V. S. 5=15426, Secondary emission of dielectrics
Gorres, B. T. + 5=3599, Vector verification method
Gorshkov, V. G. 5=5233, Relativistic Coulomb functions
Gorshkov, V. G. 5=8240, Outgoing Coulomb wave function
 Górski, L. 5=15632, X-ray analysis with dadioactive sources
Gorski, W. 5=1300, Etch pits in rock salt
Gorski, W. 5=1476, Etching of quartz
 Gorter, C.J. 5=7073, Magnetic transitions of different order
Gorter, C. J. 5=12662, The mixed superconductive state
Goryunov, Yu. V. + 5=6684, Adsorption weakening of metals
+Goryunov, Yu. V. 5=6770, Absorption weakening of metals
 Gorzkowski, W. 5=6467, Space group of marcasite
 Gosho, Y. 5=11648, Breakdown in triggered discharge tube
 Gosho, Y. 5=11831, Rotary MacLeod gauge
 Gosling, J. T. 5=11167, Polar-cap-absorption events
 +Gossard, A.C. 5=4271, Knight shift of Pd
+Gossard, A. C. 5=6898, Flux distribution in superconductors +Gossard, A. C. 5=9857, ESR and NMR in \text{La}_{1-x}\text{Th}_{1}\text{Ru}_{2} Gossett, C. R. + 5=8637, Triple correlations in ^{60}\text{Ni}(p,\gamma\gamma)
Gossick, B. R. 5=6905, Potential barriers in semiconductors Goswami, A. 5=5511, Neutron-proton correlations
Goswami, A. + 5=9664, Measuring semiconducting films
 +Goswami, K. N. 5=9270, Trigor patterns in CaF<sub>2</sub>
 +Goswami, S. N. 5=5938, H F low pressure breakdown
+Goswami, T. D. 5=11035, An antiproton event
Gothard, N. 5=2244, Hydromagnetic waves in conducting liquid
Goto, K. 5=7138, Domain structures in MnBi
 +Goto, K. 5=12908, Remanent domain structures of BaFE<sub>12</sub>O<sub>19</sub>
Goto, M.+ 5=7150, △R effect in magnetic thin films
+Gotô, T. 5=10764, Symmetry violation
Goto, Y. 5=6302, Structure changes and magnetism of γ-Fe<sub>2</sub>O<sub>3</sub>.
+Gotoh, K. 5=3249, Stability of free boundary layer
 +Gotoh, M. 5=1041, Arc quenching reactions in SF<sub>6</sub>. I.
Gotow, K. + 5=2608, triple scattering parameter R'+Gotsky, E. R. 5=9538, Anelastic behaviour of Cu+Gotsman, E. 5=14446, \Lambda-N scattering
Gott, Yu. V. + 5=8983, Plasma ion energy analyser
Gottardi, V. + 5=3528, Diffusion in glass
Gottfried, K. + 5=2462, Peripheral reactions
Gottfried, K. + 5=2463, Peripheral reactions
Gottlieb, G. E. 5=12135, Epitaxial growth of GaAs<sub>1-x</sub>P<sub>x</sub>
Götz, H. + 5=1813, Two-proton spin system
 +Goubau, G. J. E. 5=14096, Discussion on resonators
+Goudmand, P. 5=953, Spectroscopy of N_2 stream +Goudmand, P. 5=5851, Band emission of N-Cl<sub>2</sub>S flames Goudsmit, P. F. A. 5=8594, Decays of Ag^{106m} and Ag^{110m}
 +Gough, C. E. 5=12682, Abrikosov vortices in superconductors
Gough, D. I. + 5=13620, Paleomagnetism of Shawa ijolite
Gough, D. I. + 5=13622, Paleomagnetism of ring complexes
Gough, D. I. + 5=13623, Paleomagnetic results from Africa
 Gough, D. I. 5=13624, Spinner magnetometer
+Gough, W. 5=8767, Lifetime and h. f. s. of Tl Gough, W. + 5=11448, (6s^26d)^2D_{3/2} level of Tl I
 +Gouguenheim, L. 5=10149, Rosette nebula at 1430, 2315 Mc/s
 Gould, R. J. 5=7602, Celestial infra-red emission
Gould, R. J. + 5=10113, Structure of the Universe
Gould, R. J. + 5=13680, High energy cosmic \gamma and \nu
 +Gould, R. N. 5=14060, Wave functions for electromagnetic fields
 +Gould, R. W. 5=1074, Plasma model. I.
Gould, R.W. 5=3205, Excitation of ion-acoustic waves
+Gould, R. W. 5=1120, Oscillations in hot plasma
+Gould, T. E. 5=7833, Two electrical contactor pin designs
Goulding, F.S. 5=2513, Detectors in radiation energy
       measurement
Goulding, F.S. + 5=2522, Automatic Li drifting apparatus
Goulding, F.S. + 5=5267, Z=1, 2 particle identifier, \geq 10 MeV
 +Goulding, F.S. 5=8304, Computer at Lawrence Laboratory
 +Goulding, F. S. 5=8514, Completion of mass-9 quartet by
 C<sup>12</sup>(He<sup>3</sup>, He<sup>3</sup>)C<sup>9</sup>
+Goulding F. S. 5=10912, Silicon junction particle detectors
Goulding, F.S. + 5=14388 Particle identifier technique
Goulpeau, L. + 5=7017, Dielectric study of PbZrO<sub>3</sub>—PbHfO<sub>3</sub> Goupeau, L. + 5=6303, Double transition in PbZrO<sub>3</sub>. Gouras, P. 5=5121, Saturation of rods in Rhesus monkey
Gourdin, M. 5=651, Deuteron reactions in impulse approximation Gourdin, M. 5=8225, Unitary symmetry
Gourdin, M. 5=11129, Deuteron e.m. form factors. II
Gourdin, M. 5=14291, Electromagnetic form factors
Gourevitch, G. 5=13974, Auditory masking in rat
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+Goussu, O. 5=603, \pi^*d interactions at 4,5 GeV/c +Goussu, O. 5=11074, Single pion production +Gout, C. 5=15260, Energy loss of electrons in NaF
+Gouterman, M. 5=942, Zero-field splittings. IV.
+Gouterman, M. 5=2933, Vibronic coupling. II.
Gouterman, M. 5=11486, Vibronic coupling. III
+Gol.t, C. 5=6298, δ-ferrite in Fe—Cr alloys
+Goux, C. 5=6299, Martensitic transformation in Fe—Cr alloys
+Gove, H. E. 5=5536, Levels in Cu<sup>65</sup> and Cu<sup>65</sup>
 +Gove. H. E. 5=8591, Lifetimes of <sup>20</sup>Ne
Govil, 1. M. + 5=5505, l-forbidden M1 transitions
Govorkov, B. B. + 5=2631, Neutral π-mesons
+Govorkov, V.G. 5=1533, Plastic deformation of nickel
Govorkov, V.G. + 5=6713, Deformation of germanium +Govorkov, V.G. 5=6742, Plastic deformation of nickel
 Govorova, E. Z. + 5=12437, Vibrations in crystals
 +Goy, G. 5=10137, Catalogue of stars
+Goz, B. 5=2689, Existence of \Omega-hyperon
Gozzini, A. 5=8017, Polarimetry in magnetic resonance +Gozzini, A. 5=8019, Mechanical effect in e.p.r.
 +Gozzini, A. 5=8766, Faraday effect in Na vapour
 +Grabchev, B. 5=5359, Reflection of neutrons by Co
 Graben, H. W. + 5=9040, Sutherland potential, 3rd virial
      coefficient
 +Grabenstein, D. E. 5=15110, N-center in alkali halides
 +Graber, B. C. 5=11800, Transition of hypersonic boundary
+Graber, H. 5=2505, Scintillation counter for spectrometer
 +Graber, H. 5=8600, Lu<sup>1741</sup> electron capture decay
 +Graber, H. 5=14481, E1 transitions in Er16
Grabner, A. 5=4705, Compensation network of magnetometer
 +Gräbner, H. 5=11402, FR 2 reactor poisoned by H<sub>3</sub>BO<sub>3</sub>
+Grabowski, Z.W. 5=718, Even-even nuclei 2^* states +Grachev, N.M. 5=14326, Plastic scintillators
 Grachev, S. V. + 5=12449, Stress relaxation in alloys
Gradmann, U. 5=6635, Ag layer dislocations
Gradmann, U. 5=9474, Dislocation structure in epitaxial surfaces
Gradsztaji, E. 5=2815, Monte Carlo cascades in C^{12}+Graeber, E. J. 5=9344, Crystal structure of MnCl<sub>2</sub>. 2H_2O and
       FeCl<sub>2</sub>. 2H<sub>2</sub>O
+Graeffe, G. 5=762, \alpha-activity of Sm-146
+Graeffe, G. 5=11271, \alpha-decay of Gd<sup>149,151</sup>
Graessley, W.W. 5=3091, Chain dimensions in polymers
Graf, R. + 5=6274, Cubic phase of Al-Zn alloy
 Graf, R. B. + 5=3882, Mechanical properties of talc
 Grafe, A. 5=1957, Geomagnetic ring current vector
 Gräfe, W. 5=2310 Sinusoidally modulated light
 Grafe, W. 5=12575, Lifetime measurements on semiconductors
Gräff, G. + 5=11545, Hyperfine structure Stark and Zeeman effect of \mathrm{Na^{23}F^{19}}
 +Gragert, E. 5=6707, Metal transfer in impact working
 +Graham, C. H. 5=8184, Maintaining an absolute hue
+Graham, R. L. 5=2756, Transition energies of Hg<sup>188, 199</sup>
+Graham, R. L. 5=2757, The 279 keV transition in Tl<sup>203</sup>
 Graham, R. L. ^+ 5=11244, Momenta of Pb^{212} conversion electrons +Graham, R. L. 5=14598, Electron binding in Bk atoms
 +Grahek, E. 5=7062, Scanning photomultiplier
Grahn, R. 5=3002, Quantum-mechanics of H<sub>4</sub>O<sup>2+</sup> complex
 Grahn, R. 5=14642, Quantum mechanics of OH
 Graiff, L. B. 5=5968, Singing-flame ionization detector
 +Grajcar, L. 5=9993, Fluorescence of C_6H_5CH_2, C_6H_5CD_2 and
       C<sub>6</sub>D<sub>5</sub>CD<sub>2</sub>
Gramenitskii, I.M. + 5=601, Charge exchange of pions on protons
 Gramenitskii, I. M. + 5=8453, \pi^--N interactions at 9 BeV Gramenitsky, I. M. + 5=8663, \pi^-+ Xe \to \pi^-+ \pi^0+ Xe reaction
Gränacher, I. 5=15348, Ohmic contacts
+Granato, A. V. 5=9508, Stored-energy release in Cu
Granato, A. V. + 5=9509, Annealing in irradiated Cu
 Granatstein, V. L. + 5=1094, EM waves in magnetoplasmas
 Granboulan, P. + 5=5107, Autoradiography with electron
       microscope
 +Grandjean, D. 5=1363, Structure of 3CaO. Al<sub>2</sub>O<sub>3</sub>. 6H<sub>2</sub>O
+Grandy, W. T., Jr. 5=13880, Multicomponent system quantum
      statistics
 +Granier, J. 5=14604, Displacement of Hg line in He
 Granier, R. + 5=14604, Displacement of Hg line in He
 +Granitsyna, Z. K. 5=12733, Surface layers of n-Ge
 +Grankova, D. A. 5=8745, Population of displaced levels of Al
 +Grannan, R.T. 5=3160, Cyclotron radiation from a plasma
 +Granovskii, E. B. 5=6515, Phonon spectrum of nickel
 Granovskii, Ya.I. + 5=576, Kinetic theory of N transport
 +Grant, A. L. 5=14439, N* resonances
+Grant, B. K. 5=13079, X-ray yield for electron excitation
                                    A 60a
```

```
+Grant, D.M. 5=5907, Spin-spin coupling in BF<sub>4</sub>
+Grant, N.J. 5=3388, Niobium-rhodium system. I.
+Grant, N.J. 5=3470, Nb-Ir diagram
+Grant, N. J. 5=3638, Crystal structure of Nb-Rh
+Grant, N. J. 5=3833, Creep in Al-3% Cu
+Grant, N. J. 5=6490, Crystal structure of TaNi
+Grant, N. J. 5=12471, Grain boundary sliding
Grant, W.J.C. 5=250, Cross relaxation. IV
Grant, W.J.C.+ 5=10464, Magnetic field of coils
+Granzinetti, V. 5=5321, Neutrino interactions
Granzow, K.D. 5=377, Total orbital angular-momentum. II +Grard, F. 5=11082, \pi^+-p at 500 \text{MeV}
Grashin, Yu. M. 5=10931, Coincidence anticoincidence circuit
+Grashin, Yu. M. 5=14428, \pi and \mu meson separation
+Grassie, A. D. C. 5=10397, Low temperature physics conference
+Grasiuk, A. Z. 5=2280, Regenerative optical quantum amplifier
Gratsianov, Yu.A. + 5=1741, Curie points of cobalt-platinum
Gratton, L. + 5=9553, Final state of supernovae Grau, D. + 1=11187, Nilsson nuclear model
+Grau, P. 5=15085, F-centres and defects in KCl
+Gravenor, R. B. 5=983, Force constant calculations. IX.
+Gravier, R. 5=6023, Confinement time of hot plasma
Gray, A. H. Jr, 5=10266, Systems with random excitation
Gray, H. B. 5=11497, Electrons and chemical bonding
Gray, L.D. 5=951, IR emissivity in HCl
Gray, P. + 5=3315, Theory of dense fluids. XVIII.
+Gray, P. M. D. 5=14439, N* resonances
+Gray, P. R. 5=8590, 14 Nuclei half-lives
Gray, P. R. + 5=8651, Ar^{40}(n, \alpha), (n, p), (n, d)
Grazhdankina, N. P. 5=6846, Mn<sub>1.88</sub> Cr<sub>0.12</sub> Sb galvanomagnetism
Grebenikov, E. A. 5=13693, Averaging in celestial mechanics
+Greber, I. 5=3224, Azimuthal plasmoid motion
Grechishkin, V. S. + 5=9876, NMR shift of Na23 in alkali-halides
Grechishkin, V.S. + 5=14670, Observation of Br and In.q.r.
+Grechishkin, V. S. 5=14896, Crystals in quadrupole resonance Grechishkin, V. S. + 5=15524, Quadrupole relaxation in tetra-
     chloronaphthalene
+Grechukin, D. P. 5=2899, Diffusion in excited levels of H
Grechukhin, D. P. 5=8530, 2-quantum transitions of nuclei. III
+Grechushnikov, B. N. 5=1795, E.P.R. spectrum of Cr3+ ions
Grechushnikov, B. N. + 5=14210, Achromatic half-wave plate
Grečiškin, V. S. + 5=12994, Nuclear spin resonance
Greebe, C. A. A. J. 5=15392, Piezoelectric plates
Green, A. + 5=4922, Lorentz attachment for electron microscop
Green, A. E. S. + 5=15836, Absorption in planetary atmospheres
Green, B. A., Jr. + 5=9388, Specific heats of AgSn alloys
Green, C. 5=2865, PERSEUS, ARIADNE and CERBERUS
     programmes
+Green, C. E. 5=14191, Digital system for spectrophotometric
Green, D. + 5=12784, Transistor changes by electron microsco
Green, D. K. + 5=6201, Spin-lattice relaxation in liquid benzene
Green, H.S. 5=690, Structure of hypernuclei
Green, H.S. 5=9022, Fluid distribution functions
 +Green, I. M. 5=679, Nuclear shell model
 Green, J. A. S. + 5=7442, Overvoltage component at Pd cathodes
 +Green, J. H. 5=12633, Positron lifetime in polymers
 +Green, J. H. S. 5=11926, II Thermodynamics of hexafluoro-
      benzene
Green, J. J. + 5=1757, Testing of ferrite materials
Green, J. M. 5=2886, Screening constant model of the atom
Green, J. R. + 5=14941, Transformations in cyclohexanol
Green, J. W. + 5=1217, Mass spectrometric studies. II.
+Green, J. W. 5=3073, III. Dissociation of MgF, SrF and BaF
 +Green, L. L. 5=5681, J dependence of (d, p) reactions
Green, M.S. 5=2077, Collision in Boltzmann equation
 +Green, M. S. 5=6100, Boltzmann equation for dense gases
 +Green, M. S. 5=6101, Transport coefficients for dense gases Green, R., Jr. 5=3740, US study of dislocation motion. I
 +Green, R. E., Jr. 5=3741, US study of dislocation motion. II Green, T. A. + 5=11667, H^{+} electron capture in He
 Greenbaum, M. A. + 5=1900, Heat of formation of AlOCl(g)
 Greenberg, J. + 5=1190, Absorption spectra of molten Li, Na a
 +Greenberg, O. W. 5=414, Symmetrization postulate
Greenberg, O. W. 5=8218, Paraquark model
Greenberg, S. A. + 5=11921, Colloidal hydrated Ca silicates. II
 Greenburg, J. + 5=9116, Na absorption spectra in liquid NaI
 Greene, M. P. + 5=6849, Resistivity of solid and liquid Na.
 +Greene, P. E. 5=6394, Gallium arsenide epitaxial films
 Greene, R. F. 5=3931, Surface transport
 +Greene, S. A. 5=7445, Hg—photosensitized oxidation of C_2F_4
 +Greenebaum, B. 5=8518, Apparatus for nuclear orientation
 +Greenfield, I. G. 5=9436, Interstitial loops in molybdenum
```

Greenhow, J. S. + 5=15852, Meteor trails at 300 Mc/s

```
reenhow, R.C. 5=916, Optical pumping in He<sup>3</sup>
Greening, J. R. 5=2498, Saturation currents in ionization
  chambers
reening, J. R. 5=5254, Characteristics of ionization chambers
Greenlees, G.W. 5=2811, Optical model of 30 MeV p-scattering. II
Greenlees, G. W. 5=5348, Calibration of a proton polarimeter
Greenless, G. W. 5=5618, Ca-scattered proton polarization
Greenlees, G.W. 5=14529, p Polarization in nuclear scattering
Greenler, R. G. 5=6760, Yield stress of NaCl reenough, A. P. 5=12028, Measuring surface energy of solids
Greensmith, H. W. 5=12545, Dynamic behaviour of rubber
Greenspan, J. A. 5=13358, Photometer for aurora and airglow reenspan, J. A. + 5=13374, Night airglow intensity reenstein, J. L. 5=1972, Quasi-stellar radio sources
Greenstein, J. L. 5=4640, Ratio C^{12}/C^{13} in comet
Greenstein, J. L. 5=10142, Spectra and motions of white dwarfs
reenstein, J. L. + 5=13720, Stars of planetary nebulae reenwood, G. W. + 5=6678, Metal deformation in phase changes
Greenwood, G. W.: 5=9300, Grain boundary mobility
reenwood, J. A. + 5=12474, Asperite deformation in flow
Greenwood N. N. 5=8831, Chemical applications of Mössbauer
   effect. I
Gregor, H. P. 5=12029, Surface area of porous solids
regorio, S. + 5=7219, Cr e.s.r. in chelate
regorio, S. + 5=15493, E. S. R. of Cr diethyldithiophosphate
regory, B. L. + 5=6964, Single-carrier injection in silicon
Gregory, B. P. 5=8474, KrP \rightarrow K*N and KN* at 3 GeV/c regory, D. P. 5=9634, Nb resistivity and deformation
Gregory, E. 5=14992, Microstructure of solid CO<sub>2</sub>
regory, J. B. + 5=15880, 27 day solar protons
Gregory, N. W. 5=6230, Vapour phase of NaFeCl<sub>4</sub>
Gregory, N. W. 5=6285, Heat capacity and structure of CoBr2
Gregory, N. W. 5=12227, Crystal structure of NaFeCl. III
regory, P. + 5=9627, Electrical conductivity of Cu
regory, R. L. 5=1965, Photographic telescopes
reider, K. R. 5=708, Angular momentum of nuclear states
Greig, D. 5=10402, Low temperature radiation shield
Greiner, D. E. + 5=11104, K<sub>u4</sub> decay in emulsion
reiner, E.S. + 5=1316, Preparation of V<sub>3</sub>Si
-Greiner, E.S. 5=6899, Superconducting transition temperature
of V<sub>3</sub>Si
Greiner, W. 5=8529, Deformed even nuclei
Greiner, W. 5=8533, Nuclear 24-pole deformation
Grekila, R. B. + 5=15265, Conductivity in two-phase system Grench, H. A. + 5=8551, States of Ba<sup>135</sup> from decay of La<sup>135</sup>
Grench, H. A. 5=11177, Search for H<sup>4</sup> and Li<sup>4</sup>
Grench, H. A. 5=11336, Neutron cross section
Grenier, C. G. 5=9652, Magnetothermal effects in super-
    conductors
renier, J.C. + 5=6461, Crystal structure of Li compounds
renier, P. + 5=1551, Plastic deformation of \alpha-uranium
renier, R. P. + 5=494, Absorption coincidence spectrometer grenishin, S. G. + 5=15420, Photoeffect in semiconductors
rewal, M.S. 5=3141, Fokker-Planck and Bhatnagar-Gross-Krook
   equations
-Greytak, T. 5=6179, Brillouin scattering in liquids and solids
Gribanov, S. A. 5=15196, Formation of cracks
Gribanov, Yu. I. + 5=10749, Angle marker for URS-501
    X-ray apparatus
Gribble, R. F. 5=335, Infrared polarization analyzer
Gribble, R. F. 5=3192, Diagnostics of \theta-pinch plasmas ribble, R. F. + 5=3194, Density in \theta-pinch plasma
Gribkovskii, V.P. 5=2277, Optical properties of lasers
ribov, L.A. 5=938, Symmetry coefficients in molecules ribov, V. N. + 5=8273, Remark on high energy scattering ridney, V. N. + 5=11993, \beta-phase of Ti alloys
Grieco, M.J. 5=1299, Etching of Ge substrates rieder, P.K. F. 5=2503, Air spark chambers
Griem, H. R. 5=8972, Emission spectrum from plasma
Griemsmann, J. W. E. 5=10556, Groove guide Frieve, P. 5=5421, Evidence for (K\pi\pi) resonance
-Grieveson, P. 5=14834, Molten Ag—Si alloys
-Griffin, A. 5=12303, Thermal conductivity of superconducting
   alloys
Griffin, G.E. 5=3062, P-p coupling in benzylphosphonium salts
Griffin, G. L. 5=5126, Diffraction of ultra-soft X-rays
Griffin, J. J. 5=8695, Fission anisotropy
Griffin, P. M. 5=14151, Simple He-Ne laser
riffin, R. 5=1966, 100-inch Coudé spectrograph
Friffin, R. F. 5=15805, Spectra of late stars
riffing, G.W. 5=3036, Neutron scattering by methane
riffith, J S. 5=901, g value of ferric ions
```

```
Griffith, J.S. 5=934. Intermediate symmetry
+Griffith, P. G. 5=6966, Simulation of diodes with transistors
+Griffith, R.W. 5=2942, Erratum: zero-field splitting
+Griffith, T.C. 5=5463, p-He<sup>4</sup> scattering at 53 MeV
+Griffith, W.T. 5=14941, Transformations in cyclohexanol
+Griffiths, C. H. 5=12136, Epitaxic growth of selenium
Griffiths, J. E. 5=2988, Raman and i.r. spectra of CF<sub>2</sub>PCl<sub>4</sub>
+Griffiths, L. B. 5=6631, \alpha-SiC dislocation decoration Griffiths, L. B. 5=12766, \alpha-SiC rectifying junctions
Griffiths, R. B. 5=68, Free energy of spin system
Griffiths, R. B. 5=1732, Magnetization in ising ferromagnet
Griffiths, R. B. 5=1765, Antiferromagnetic linear chain
+Griffiths, T. R. 5=1188, Solvation spectra, VIII.
Griffo, J. S. + 5=3820, Measuring crush strength
+Griffy, T.A. 5=810, Neutron scattering spectra
+Griffy, T.A. 5=5520, Transition widths of excited C<sup>12</sup>
Griffy, T. A. 5=8491, Electromagnetic structure of He<sup>3</sup> and H<sup>3</sup>
 +Griffy, T. A. 5=14525, Magnetic electron scattering
Griggs, D. T. + 5=12543, Strength of synthetic quartz
+Griggs, M. 5=15836, Absorption in planetary atmospheres
 +Grigoletto, A. 5=5451, Search for two-body \Sigma^+ decay
Grigolyuk, E. I. + 5=6672, Transverse bending of isotropic plate
Grigorenko, V. G. + 5=10544. Microwave interferometer for
      nlasma
+Grigorescu, L. 5=739, Intercomparison of radioactivity standards
      1961-1963
Grigor'eva, G. M. + 5=15096, Dislocations in iron
Grigorevskii, V. M. 5=7543, Rotation of 19586 1 and solar activity
Grigorov, N. L. + 5=661, Cosmic radiation beyond atmosphere
Grigorovich, B. M. + 5=6028, Plasma confinement in magnetic
       field
Grigson, C. W. B. + 5=9792, Amorphous magnetic films
Grikit, I. A. 5=3579, Spark etching of metals and alloys +Grillot, E. 5=9941, CdS green luminogene centres +Grillot, E. 5=9966, Cu luminogene centres in ZnS Grimeland, B. + 5=8649, (n, 2n) reaction cross-sections
Grimes, C. C. 5=6809, Spin-orbit coupling in W
Grimes, H. H. 5=15089, Vacancy formation in gold
Grimley, H. M. + 5=11633, Negative glow of He
Grin; Yu. T. + 5=5503, E.M. transitions in deformed nuclei
Grinberg, A. 5=3545, Etching of NaCl. II. Edge effects
Grinberg, A.A. 5=1406, Phonon emission by semiconductors Grinberg, A.A. 5=3684, Ultrasonic amplification in semimetals
Grinberg, A. A. + 5=4006, Acoustomagnetic semiconductors
Grinberg, A. A. 5=9380, U. S. amplification in solids
 +Grinberg, A. A. 5=12281, p-n Junction u. s. generation
Grinberg, A. A. 5=12694, Acoustic - magnetoelectric effect
Grinberg, G. A. 5=2246, Flow of conducting fluid
+Grinberg, R. Z. 5=9215, Brignetting of thermoelement alloys
+Grinberg, R. Z. 5=9738, Ageing of thermoelement branches
Grinberg, V. A. 5=3739, Dislocation structure of AB, alloys
Gringauz, K. I. 5=13422, Magnetospheric boundary
+Gringauz, K. I. 5=13634, Radiotracking of rockets
  Gringauz, K. I. + 5=15760, Magnetic field and positive ions
       inside magnetosphere
+Grishaev, I. A. 5=2553, Linear electron accelerator Grishaev, I. A. + 5=10467, Ferrite magnet
Grishaev, I. A. + 5=10960, Linear accelerator for electrons
+Griskey, R.G. 5=3311, Polymer compressibilities
+Grishina, S.P. 5=1331, Structural peculiarites of Si
+Grishina, S.P. 5=1464, Impurities in silicon
+Grishina, S. P. 5=15322, Impurities in semiconductors
+Grits, Yu. A. 5=14044, Adjustable dummy load
Gritsyna, V. T. + 5=5559, Levels in Tl<sup>201m</sup> and Tb<sup>153m</sup>
Grivet, J. P. 5=6199, Polarization in liquid adsorbed on C
Grivet, P. + 5=2253, Oscillator with electronic spin coupling
Grizhto, V. M. + 5=2553, Linear electron accelerator
+Grobet, P. 5=7221, Paramagnetic relaxation in Cu, Cl,
+Grodkiewicz, W. H. 5=1847, Garnet magneto-optical properties
+Grodzins, L. 5=6247, Sm<sup>148</sup> in ferrimagnetic Sm crystals
+Grodzins, L. 5=8553, States in Gd<sup>152</sup>
+Grodzins, L. 5=8774, \gamma-ray attenuation in Al and Au +Groeneveld, J. 5=6078, Pair correlation function. II.
+Groenweghe, L.C.D. 5=4375, Molecular distributions, I
Gromb, S. 5=1605, Electronic properties of pyrocarbons
+Gromer, R. 5=3508, Desorption from metal surfaces
+Gromov, A. E. 5=1289, Structure and strength of crystals
Gromov, B. M. + 5=870, Heat transfer in nuclear reactors Gromov, K. Y. + 5=5587, Decay of Nd isotopes
 +Gronau, M. 5=11192, Shell-model nuclear masses, I
Grönkvist, B. O. 5=8501, Cosmic ray storms
+Groom, C. M. 5=13358, Photometer for aurora and airglow Groom, K. N. + 5=13284, Radioactive point in atmosphere
```

```
Gros, Y. + 5=6252, Mössbauer effect of Fe-Ni 50/50 alloys
Groseclose, B. C. + 5=9612, Positron lives in polymers
Groshev, L.V.+ 5=2821, The Fe<sup>56</sup>(n, \gamma)Fe<sup>57</sup> reaction
Groshev, L. V. + 5=8718, Fuel element burn-up
+Grosmann, M. 5=6645, Defect aggregate dimensions
Gross, A. G., Jr. 5=12081, Primary recrystallization in Be
Gross, E. F. + 5=13114, Luminescence of GaP
+Gross, E.P. 5=2386, Scattering by hard core Gross, E.P. 5=4859, Liquid and solid He theory
Gross, F. 5=645, D e.m. form factors. II
Gross, L. B. 5=11932, Melting of UO<sub>2</sub>-PuO<sub>2</sub> system
Gross, U.E.+ 5=179. Cryogenic-solid cooling
Grosse, A.V. 5=6158, Viscosity of mercury liquid
+Grosser, A. E. 5=2954, Rotational de-excitation of D<sub>o</sub>
Grosser, A. E. + 5=13154, Energy of reaction products. I
+Grosser, P. 5=1786, Ferrimagnetic resonance in Ba ferrite
Grossetête, F. 5=5752, Hyperfine relaxation of caesium
Grosskreutz, J. C. + 5=9463, Dislocation rearrangement in Al
+Grossman, D. 5=10938, Wide-gap spark chambers
Grossman, L. M. + 5=5360, Relaxation of a neutron pulse
Grossmann, A. 5=7717, Hilbert spaces of type S
Grossmann, S. 5=6081, Virial expansion transport equation
+Grosso, J. S. 5=13079, X-ray yield for electron excitation Grosvald, G. 5=7002, Dielectric study of Pr—O system
Grosvald, G. 5=15218, Dipoles in Pr oxides
+Grote, C. 5=5400, Resonance production by \pi + p
+Grote, H. H. 5=15764, 1962 Johnstone Island nuclear tests
Groth, R. + 5=3917, Anisotropic effective mass in n-Bi, Te,
Grove, A.S. + 5=12131, Epitaxial growth
Grover, H. J. 5=3806, Definitions of fatigue-notch factor
Groves, G. W. + \, 5=3861, Precipitation hardening in Mg-Fe-O +Groves, T. H. 5=14447, Decay of \Sigma^+ to \pi^+ + N
Grozier, J. D. + 5=12007, Austenite growth in Fe-N
Gruat, J. + 5=4785, Curvature of shock wave
Grubb, M. A. 5=14224, Quantum mechanics
+Gruber, B. 5=7005, Permittivity of Se at 3.3 cm
Gruber, B. + 5=7724, Invariants of semisimple Lie algebras
 +Gruber, C. 5=12658, Superconductivity and e.m. potentials
+Gruber, G. A. 5=12052, Deposition of silica films
+Gruber, G. M. 5=7638, Spaced-site observations of Jupiter
+Gruber, J.B. 5=4305, Spectra of Eu<sup>3+</sup> in Y<sub>2</sub>O<sub>3</sub>
Gruber, J.B. + 5=4328, Tm and Er J levels in Y2O3
+Gruber, S. 5=14755, Negative-energy plasma waves
+Gruber, U. 5=5552, Transitions and levels in Dy<sup>165</sup>
+Grüebler, W. 5=11357, N^{20}(d, n_{\gamma})Na^{21} reaction
Gruen, D.M. 5=3298, Site equilibria in salts
Gruenberg, E. L. + 5=13661, Quasi-passive satellite relay
Gruenberg, L. W. 5=15285, Thermal conductivity of super-
+Gruenzel, R.R. 5=10704, Diffuse optical reflection
+Grum-Grzhimailo, S. V. 5=13019, Absorption surfaces for
     crystals
+Grun, J. B. 5=6645, Defect aggregate dimensions
 +Grünbaum, E. 5=3575, Epitaxial growth of gold
 +Grundig, H. 5=6652, SH, S and S centres in KCl
Grundig, H. 5=9705, Intrinsic conductivity of KCl, KBr
Gründig, H. + 5=12330, H2O diffusion, solubility in KCl
Grundy, P. J. 5=12949, Domains in magnetoplumbite
Grupen, W.B.+ 5=1453, Growth of Guinier-Preston zones
Grushetskii, K. M. 5=939, Potential functions Grushin, V. F. + 5=5310, Theory of shower \gamma-spectrometers
+Grussard, J. 5=2655, \pi^- Interactions on nuclei
Grütter, A. + 5=9181, Xe and Kr vapour pressures
Gruzin, P. L. 5=8572, Uses of radioactive sources
Gruzin, P. L. + 5=15155, Cu anelastic properties
 +Gryaznov, Yu. N. 5=8376, Calibration of gamma-dosimeters
 Grybnykov, Z.S. + 5=4056, Carriers in semiconductor diodes. II
 Grycuk, T. + 5=5761, Mercury resonance line
Grzywacz, J. + 5=9996, Plexigassphosphors in liquid air
 +Guar Hong 5=5218, Theory of weak interactions
Guan Hong. 5=5433, Spin changes in K decays
 Guard, R W. + 5=15142, Fracture surfaces in Al<sub>2</sub>O<sub>3</sub>
+Guarini, G. 5=7895, Microcalorimeter for solids, 20-1000°C +Guarino, J. P. 5=990, Spectra of napthalene
Guasti, M. V. + 5=6384, Plate segregation in NaCl Gubancv, A. I. + 5=3512, Metal desorption
Gubanov, A. I. 5=6581, H diffusion in metals
+Gubanov, A. I. 5=6798, Electron state density
 Gubanov, A. I. 5=10280, Arbitrary system of atoms
 +Gubanov, Yu. D. 5=8711, High temperature reactor
 +Gubbins, D. G. 5=14773, Acceleration of plasmas
Gubisch, R. W. 5=14172, L. F. light modulator
```

```
Gudden, F. + 5=4916, Electron scattering below 60 MeV
Gudefin, E. + 5=4875, Passive polyphase systems
Guenebaut, H. + 5=960, Emissions of PO
Guenebaut, H. + 5=5854, Emissions from P,
Guenebaut, H. + 5=5870, Emission spectrum of PH2
+Guennegues, J. Y. 5=2491, Riccati equation and Regge poles
Guerchais, J. E. + 5=6472, Crystal structure and i.r. spectrum
     of (NH<sub>4</sub>)<sub>3</sub>NbO<sub>8</sub>
Guermeur, R. + 5=6524, Ultrasonic waves in MgO: Fe<sup>24</sup>
Guermeur, R. + 5=15042, Acoustic paramagnetic resonance
Guernsey, R. L. 5=91. Electron gas in positive background. II
+Guerra, C. R. 5=3084, H-D kinetic-isotope effect
+Guerriero, L. 5=2576, Spark chamber for \gamma-rays +Guerriero, L. 5=5398, \pi + p \rightarrow \eta° + p to 1151 MeV
+Guerriero, L. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV +Guerriero, L. 5=11019, N_{33}^* (1238), \rho^\circ production +Guerriero, L. 5=14434, \pi^\circ p charge exchange
Guerrini, B. 5=11397, Thermoelastoplasticity of nuclear plates Guerst, J. A. 5=6982, H.F. properties of film transistors Gugan, K. 5=8189, Medium energy X-ray source +Guggenheim, H. J. 5=9911, Ni<sup>2+</sup> electron structure in Mg[Zn]F<sub>2</sub>
+Guglia, V. G. 5=9512, Reflection of electrons from metals
+Guglielmi, P. A. 5=7391, Luminescence of p* GaAs Guha, B. C. 5=9774, Cu(CH<sub>3</sub>COO)<sub>2</sub>H<sub>2</sub>O magnetic properties
+Guibe, L. 5=7253, E.S.R. of NaNO +Guillard, J. M. 5=7388, Electroluminescence of CdS
Guillard, M. 5=326, Interference fringes in microscopy
Guillard, M. 5=5085, Observation of fringes by microscope
+Guillaume, J. 5=5855, Emission spectrum of SnC1
+Guillaume, J. 5=8807, As_2 A^1\Sigma_u^+ \rightarrow X^1\Sigma_u^+ bands
+Guillaume, J. 5=8814, New bands for HCl<sup>+</sup> and HBr<sup>+</sup>
Guillemet, C. + 5=12500, Thermal effects in glass deformation
Guillien, R. + 5=7020, Permittivity of ferroelectric crystal
+Guillien, R. 5=7969, Characteristics of an EC 50 thyratron
Guinier, A. 5=1449, Crystal defects
+Guinier, A. 5=15116, Colour centres in irradiated LiF
Guillot, M. + 5=7162, Magnetisation of rare-earth ions in garnet
+Guinet, P. 5=12020, Polymorphism of powdered U
Guiraldenq, P. + 5=15072, Grain boundary self-diffusion in Fe
+Guirao, M. 5=10343, Individual loudness functions
Guittard, C. + 5=12152, Semiconductor surface dipole layer
Gulbransen, E. A. + 5=13153, Ablation of graphite
Gulden, T. D. + 5=15168, Creep in In-glass composite
+Guldenmann, H. 5=8332, Spark chamber camera
+Guliaev, G. V. 5=9230, Solubility of Ni-Au phases
Gulyaev, A.P. + 5=3560, Recrystallization of austenite
Gulyaev, Yu. V. + 5=6532, Amplification of surface waves
 +Gumen, N. M. 5=15466, Magnetostriction of Ni-Co ferrites
 +Gumenyuk, V. S. 5=6564, Expansion of W, Mo, Ta, Ni and Zr
 +Guminetskii, S. G. 5=13059, Scattering by photometric standard
      and leaves
Gumlich, H. E. + 5=1877, Field intensification of luminescence
Gumlich, H. E. + 5=9979, Electroluminescence at liquid He
      temperatures
Gundermann, S. 5=1025, Running striations
+Gundzik, M. 5=2658, Decay modes properties of X°
 +Gunn, J. B. 5=15321, Microwave oscillations in GaAs
Gunness, R. C., Jr. + 5=10370, Flow over isothermal wedge
 Gunshor, R. L. 5=14065, Electron beam velocity distribution
Günther, C. + 5=5553, Gamma-decay of 1174 keV Yb<sup>172</sup> +Gunther, K. G. 5=7979, Penning ion source
 +Gunton, R.C. 5=1065, Recombination of electrons with No*
+Gunton, R. C. 5=14128, Microwave cavity
Gunye, M. R. + 5=11239, Deformation in even—even nuclei
 Guppy, C. B. 5=8719, Subcritical reactivity in nuclear reactors +Gupta, M. K. 5=9722, Semiconductors for thermoelectric cooli
Gupta, R.C. 5=1494, Rigidity modulus
 +Gupta, R. K. 5=717, Energy levels in Fe<sup>56</sup>
 +Gupta, R. K. 5=3624, B<sub>8</sub> structure in Cu<sub>2</sub>In-NI<sub>2</sub>In
 +Gupta, R. N. 5=10480, Electron mobility, magnetic field Gupta, R. P. + 5=9368, Lattice dynamics of beryllium
 Gupta, S. C. + 5=10515, Unsteady magnetohydrodynamic flow in
      channel
 +Gupta, S. N. 5=5187, SU_3 meson—baryon model
 +Gupta, S. N. 5=5211, Symmetry-breaking interactions
 Gupta, S. S. + 5=12789, Flexible artificial dielectric
 Gupta, V. + 5=415, Coupling constants in broken SU(3) symmetr
 Guralnik, G.S. 5=2399, Field theory, I-II
Guralnik, G.S. 5=2414, Zero-mass particles and broken
       symmetries
 Guralnik, G. S. + 5=10793, Global conservation laws +Guratzsch, H. 5=11352, C^{12}(d,\alpha)B^{10} reaction at 9.2-13.8 MeV
```

```
urevich, A. G. 5=15460, Magnetic waves in ferrites
urevich, A. G. + 5=15480, Ferromagnetic resonance device
urevich, L. É. + 5=1686, Waves in plasma
urevich, L. E. + 5=1638, Current instability in semiconductors
urevich, L.E. 5=3893, Electron—phonon drag in semimetals
revich, L. E. + 5=3962, Transport in metals urevich, L. E. + 5=5305, Acceleration of particles by radiation
arevich, L. E. + 5=6538, Thermomagnetic waves in a solid urevich, L. E. + 5=15395, Thermal-e. m. f. of ferromagnetic
   metals
urevich, L. E. + 5=15526, Ferromagnetic metals e. m. spectrum
Gurevich, M.A. 5=1331, Structural peculiarities of Si
Gurevich, M.A. 5=1461, Au doping addition distribution in Ge
arevich, V. L. 5=3687, Growth of fluctuations, II
urevich, V. L. + 5=13025, Rayleigh scattering of light during
    sound instability
urevich, V. L. + 5=15041, Sound waves in piezoelectric crystals
urgenishvili, G. E. 5=1592, Resonance in p-Ge and p-Si
urgenishvili, G. E. _2 + 5=1841, Magneto-optical absorption in Ge Gurgenishvili, G. E. 5=15511, N. M. R. in ferromagnets urieva, E. A. + 5=15059, Thermal conductivity of \mathrm{Bi}_2\mathrm{Te}_3 urinovich, G. P. 5=14660, Polarized luminescence of porphyrin
turland, J. 5=15190, Fracture strength
Gurnett, D. A. 5=7541, Ion gyrofrequency observed in satellites turnett, D. A. + 5=13395, Geophysical studies. V.
Gurnett, D. A. 5=13647, Geophysical studies. I.
ürs, K. + 5=10627, Mode patterns of CaWO, laser
ursey, F. + 5=2464, Spin and unitary spin of strong interaction
Gursky, H. 5=14259, Spin and untary spin of strong interaction ursey, F. 5=14259, SU<sub>a</sub> group for quarks Gursky, H. 5=10160, Cosmic X-rays in Scorpius and Sagittarius ursky, M. L. + 5=5341, p—p near interference minimum
Gurtu, V. K. 5=13710, Radial motion of a star
burvich, A.S. 5=13250, Wind velocity profiles
durvich, L. V. + 5=11812, Thermodynamic functions of ideal gas
burvich, Yu. A. 5=15143, Scattering of hot electrons in
semiconductors 5=15143
durzhi, R. N. 5=3961, Electrical conductivity of metals
turzhi, R. N. 5=9617, Skin effect in metals
Gusak, N. A. 5=13263, Convective motions in clouds
Gusarova, M. V. 5=12118, Growth of K2Cr2O7 crystals
duseinov, G. D. 5=6945, Electrical properties of p—TISe duseinov, N. G. 5=4177, Ferromagnetism in cubic crystals Gusel'nikova, I. N. 5=7119, Co domain structure
Gusev, A. A. 5=1756, Critical fields in ferrimagnets basev, I. A. + 5=6588, Zn diffusion in InSb basev, I. A. + 5=9411, Rare earth diffusion in Ge
Susev, I. A. + 5=15073, Hg diffusion in InSb
Rusev, I. A. + 5=15074, Co diffusion in InSb
Rusev, S. M. + 5=9668, Properties of doped CdSb
duseva, G. I. 5=4100, Thermoelectromotive force
Guseva, G. I. + 5=15268, Thermogalvanomagnetic effects in
    metals, semiconductors. III
useva, I. N. + 5=15092, CaF<sub>2</sub> with Sm trace
useva, L. G. 5=5941, Discharge striking in polyatomic gases
Suseva, L. G. 5=5942, Discharge striking at low gas pressures
Sushchin, V. A. 5=8855, Interaction of complexes
Gus'kov, Yu. K. 5=1034, Breakdown in Cs vapor
Gus'kov, Yu. K. + 5=11649, Electrical breakdown in Cs
Susman, G. + 5=12659, Mechanism of superconductivity
luss, D. E. 5=4680, Energetic solar particle flares
Guss, D. E. 5=11151, Cosmic-ray H and He modulation
Gustafson, W. A. 5=9031, Free molecule orifice flow
-Gustafsson, S. 5=8564, \frac{3}{2} state in Tl<sup>203</sup>
-Gustinis, J. 5=8333, Spark chamber tape recorder
-Gustov, G. K. 5=9015, Characteristics of "TOKAMAK - 3"
Sutbier, H. 5=10007, Atomic charge and heat of formation Suth, S. L. 5=8171, Visual perceptual latency
Suthner, K. 5=8379, Bremsstrahlung from polarized e's authrie, A. N. + 5=4793, Acoustic output of deep explosive
Gutierrez, W. A. 5=9699, CdSe transistors
Gutkin, A. A. + 5=13047, GaAs light source
Gutman, L. N. 5=13260, Model of cumulus cloud
-Gutnikova, E. K. 5=5124, Hard component from X-ray tube
FGutowsky, H. S. 5=5904, Electron coupling of nuclear spins. VIII. FGutowsky, H. S. 5=8841, Bonding in [\overline{VOCl_5}]^{3-} and [\overline{MoOCl_5}]^{2-}
Gutowsky, H. S. 5=13139, Chemical exchange. II
Gutsche, E. 5=3587, CdS and CdSe layers
Suttinger, W. + 5=8237, Mass and binding
Guttman, A. 5=10682, Photographic spectrometry and
radiometry
Juttman, M. + 5=14503, Decay of Eu<sup>150</sup>
Juttman, N. 5=7862, Binaural interactions of three clicks
```

Gutzwiller, M. C. 5=12595, Electrons in s band Guy, A. G. 5=3706, Vacancy diffusion +Guyon, E. 5=9658, Superconducting films +Guyon, E. 5=15303, Critical fields of SnIn Guzenko, S. Ya. + 5=5303, y-y scattering via bound states Guzhavin, V. M. + 5=2610, -650 MeV p elastic scattering +Guzhovskif, I. T. 5=8984, Plasmoid-magnetic field interaction. II +Guzhovskif, I. T. 5=8985, Plasmoid-magnetic field interaction. III Gvaladze, T. V. + 5=10639, Ruby laser +Gverdtsiteli, I. G. 5=8711, High temperature reactor +Gverdtsiteli, I. G. 5=8783, Column for isotope separation +Gvozdovskii, I. V. 5=3895, Optical scattering of carriers +Gyftopoulos, E. P. 5=12060, Desorption from metals Gygax, S. + 5=1626, Ginzburg-Landau parameter Gyorgy, E. M. + 5=12279, Acoustic properties of YIG Gyulai, Z. 5=3551, Nucleation in alkali halide solutions

Haacke, G. 5=14158, Feasibility of e.m.p. laser +Haanstra, J. H. 5=4368, "Orange" centres in ZnS:Ag, Cu or Au +Haas, G. A. 5=7892, Pt—Pt(Rh) thermocouples on Ni surfaces +Haas, G. M. 5=14776, High-beta plasma +Haas, W. J. 5=9926, Zeeman effect in Er-ethylsulphate Haase, G. + 5=10732, Layers from photographic emulsions Haase, J. + 5=4083, Dielectric investigations on plastics. IV +Haasen, P. 5=1544, Creep of silicon crystals +Haasen, P. 5=6712, Deformation of germanium +Haatuft, A. 5=638, Muonic decay of λ -hyperon +Haatuft, A. 5=5425, Upper limit for $\omega^{\rm o}\to {\rm e}^++{\rm e}^-$ +Haatuft, A. 5=8484, Beta-decay of Σ*-hyperons +Haatuft, A. 5=11120, β -decay of Λ +Habanec, J. 5=8629, Proton polarization angular distribution +Habboush, A. E. 5=11907, Conductivity of alcohols and solutions +Habboush, A. E. 5=11908, Conductivity of phenols in solution Habermann, C. E. 5=1218, Vapor pressures of metals Haberer, K. 5=1204, γ -spectra of radioactive precipitations +Haberstroh, R.A. 5=685, Spin, magnetic moment of N¹³ Haberstroh, R. A. + 5=2721, Structure and moments of C¹¹ Hachenberg, O. + 5=7663, Solar radio bursts Hack, M. N. 5=2369, Quantum theory of measurement Hackerman, N. + 5=11841, Liquid-liquid displacement +Hackerman, N. 5=12063, Adsorption and particle size for Al₂O₃-H₂O Hacskaylo, M. 5=3706, Schottky emission and energy bands +Hacskaylo, M. 5=3490, Sensitivity of drude technique Hacskaylo, M. 5=12397, Dislocations in NaCl Haddad, E. + 5=14539, Neutron capture cross section Hadjioannou, F. T. 5=10769, Peratization of spinor Green's functions Hadni, A. 5=1849, Far-l.r. electronic transitions Haeberlen, U. + 5=9163, Nuclear spin relaxation in benzene +Haeberli, W. 5=8630, Polarization of p scattered by O Haemers, J. 5=12753, Electrical conductivity of V_2O_5 Haenggi, H. + 5=6677, Laser determination of internal stresses Haerendel, G. 5=15868, Study of interplanetary medium +Haering, R.R. 5=4342, Tunnel diode electroluminescence Haesner, F. + 5=3588, Rolled texture of copper Haeusler, C. + 5=2967, Vibration-rotation spectrum of H1 Haeusler, C. 5=2979, 3-0 Vibration-rotation band of NO Haeusler, C. + 5=5845, Vibrorotational constants of HI +Haezendonck, Y. 5=2074, Potential of entropy production Häfele, H. G. 5=14170, Laser temperature measurement Hafner, E. M. 5=7624, Cosmic electromagnetic radiation Hafner, S. + 5=1229, Electric field in alkali feldspans Hafner, S. + 5=9162, Molten salt n. m. r. II Hafner, S. + 5=12009, Phase transitions in LiAl₅O₈ Haga, E. 5=7203, I.R. absorption of semiconductors Haga, E. 5=9662, Electric susceptibility in semiconductors Haga, E. + 5=9885, IR absorption in semiconductors Hage, K. D. 5=13257, Atmospheric dust fall Hagebeuk, H. J. L. + 5=8993, Electrons in r.f. field Hagedorn, F.B. 5=12689, Critical currents in Sn films Hagedorn, R. 5=11025, $p + p \rightarrow A + B$ and $\pi + p \rightarrow A + B$ +Hagee, G. R. 5=14946, Mass-thickness of thin films Hagemark, K. + 5=10018, Activity in ionic mixtures. I. Hagen, C.R. 5=401, Mass renormalization Hagen, C.R. + 5=412. Unitary symmetry theories Hagen, C.R. 5=5193, Mass renormalisation. II Hagen, C.R. 5=5424, Mechanism for P_{11} π -N resonance +Hagen, C. R. 5=10793, Global conservation laws Hagen, C. R. 5=14251, Elementary particles +Hagenlocher, A. K. 5=9709, Thin barium titanate films

Halmann, M. + 5=5852, Absorption bands of 16O2 and 18O2

```
Hagenmuller, P. + 5=12077, Mn orthosilicate, orthothiogermanate
Hager, N. E., Jr. 5=10353, A student radiometer
Hagerman, D. C. + 5=8347, Velocity measurement of r.f. beams
Hagfors, T. 5=10550, Backscattering from undulating surface
+Hagge, D. E. 5=11091, \pi-p elastic scattering
Haggerty, M.J. + 5=3148, Plasma in a magnetic field
Haggerty, M. J. 5=8968, Plasma in magnetic field
+Hagiwara, H. 5=11218, Structure of sd-shell. I
Hagopian, V. + 5=2558, Fractionally charged particles
Hagstrum, H.D. + 5=3930, Electron surface levels in oxygenation Hagstrum, H.D. + 5=7067, Electrons ejected by ions
+Hagstrum, H.D. 5=7068, Auger electron ejection from nickel
Hague, J. F. + 5=14394, NaI(T1) scintillation spectrometer +Hahn, B. 5=5320, Neutrino interactions
+Hahn, B. 5=8441, Intermediate boson in \nu interactions
+Hahn, E. L. 5=7272, Electron-spin echo-envelope modulation
Hahn, E. L. 5=9855, Nuclear moment interactions
+Hahn, E. L. 5=10403, Nuclear spin thermometry below 1°K
Hahn, G. T. + 5=12468, Yielding and crack extension
Hahn, J. + 5=7914, Hybrid charge-sensitive preamplifier
+Hahn, P.D. 5=13945, Radiation resistance reactance of aligned
     pistons
Hahn, R. L. 5=11372, α-Cd106 reactions
Hahn, S. G. + 5=2050, Geometrodynamics
Hahnemann, H.W. 5=9035, Compression and expansion flow of
Haider, G. 5=14432, 10 BeV \pi-N interactions
+Haigh, P. J. 5=13006, N. M. R. in solid NF3
+Haissinski, J. 5=8397, Stored e+ and e- interaction
Haitz, R. H. 5=15354, Junction breakdown voltage
Hajdu, J. 5=95, Transport processes in magnetic field. I
Hajdu, J. 5=4771, Quantum theory of transport processes
Hajdu, J. + 5=6784, Quantum transport processes II
+Hake, R.B. 5=3004, United-atom approximation I. H2S
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Haken, H. 5=8047, Nonlinear theory, laser noise, coherence. II
Haken, H. 5=8071, Laser light coherence
Hakkenberg, A. + 5=4903, Relativistic motion of charged particle
Hakura, Y. + 5=13590, Solar-terrestrial disturbances
Hakura, Y. 5=15755, Polar cap blackouts
Halász, D. + 5=10455, Hall effect and M.H.D. generators
Halbach, K. + 5=3237, Plasma gun
+Halbert, M. L. 5=11376, Compound-nucleus reactions
Halbwachs, F. 5=5173, Rotator theory of particles
+Hale, D. P. 5=15848, Meteoroid distributions Hale, D. P. + 5=15849-50, Meteoric flux fields
+Hale, K.F. 5=1528, Fracture of iron
Hale, K. F. + 5=6401, Electron diffraction patterns of foils
+Hales, J. L. 5=11926, II Thermodynamics of hexafluoro-
     benzene
Hälg, W. + 5=6444, Neutron diffractometer accessories
+Halg, W. 5=6462, Cation distribution of spinel (MgAl<sub>2</sub>O<sub>4</sub>)
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Hall, A. C. 5=10705, Failure of Drude equation
Hall, C. A. + 5=7018, Solid solutions Pb(HfO<sub>3</sub>-TiO<sub>3</sub>-SnO<sub>3</sub>-Nb<sub>4</sub>O<sub>6</sub>)
Hall, E. 5=15152, Stress and annealing of graphite
Hall, E.S. 5=4399, Microelectrophoresis
Hall, G.G. + 5=2900, First-order density matrix for atoms
Hall, H. T. + 5=11999, Polymorphism in cesium
Hall, J. A. + 5=2159, Temperature measuring instruments
Hall, J. J. 5=9549, Elastic constant of n-germanium
Hall, J. L., II. 5=4818, Hearing of brief pulses
Hall, L. H. 5=3682, Ultrasonic attenuation in metals
Hall, L. H. 5=6459, Molecular symmetry of iodopentaborane
Hall, L. S. + 5=11760, Plasma electrostatic instabilities
Hall, R. B. 5=13500, Formation of sporadic-E
+Hall, S. H. 5=7518, Detection of ionospheric electric current Hall, S. H. + 5=10103, Rocket magnetometer deployment system
Hall, S.R.+ 5=12255, Crystal structure of metanilic acid
Hall, T.P.P. + 5=1486, F centres of potassium iodide
Hall, W. K. + 5=4396, H.-D. exchange over Ni and Cu-Ni
 +Halla, F. 5=15011, Phases in PbO-La<sub>2</sub>O<sub>3</sub>, Gd_2O_3, and Sm_2O_3
Haller, F. B. 5=1163, Sorption vacuum trap
+Haller, G. L. 5=10005, Symmetry numbers and reaction rates. II
Haller, I. + 5=979, Spectra and structure of bicyclo [1.1.0] butane Haller, W. 5=9097, Liquid-liquid immiscible microphases
+Hallerman, L. 5=13723, Velocities of globular clusters
+Hallett, A. C. H. 5=12296, Thermal expansion of metals {<}\,100^\circ\rm K Hallett, J. 5=9278, Crystallization of supercooled water
Halley, J. W. + 5=8799, Molecular binding
Halley, P. 5=13474, Wolf number and ionosphere
+Halling, J. 5=1507, Study of wear
```

```
+Halpern, F.R. 5=2659, Multimeson resonances
Halpern, F. R. 5=10831, Covariant description of particles
Halpern, F. R. + 5=14241, Poles in Feynman diagrams
Halpern, G. + 5=9000, Magnetoplasma slab radiative modes
Halpin, J.C. 5=3871, Fracture of amorphous polymers
Halpin, J. C. + 5=3872, Fracture of amorphous polymers +Halsey, G. D., Jr. + 5=6259, Ar-Kr solid solutions
+Halsey, G. D., Jr 5=9248, Hard-disk monolayer isotherms
+Halsted, R.E. 5=6598, Diffusion of defect centers
Halsted, R.E. + 5=13105, Fluorescent spectra in II-VI compound
Halsted, R.E.+ 5=15588, Photoluminescence in II-VI compound
+Halsteinlid, A. 5=5425, Upper limit for \omega^{\circ} \rightarrow e^{+} + e^{-}
+Halsteinslid, A. 5=8484, Beta-decay of ∑*-hyperons
+Haltrich, S. 5=10966, Ceramics in betatrons
Halverson, F. + 5=5885, Photoluminescence of lanthanide
     complexes. III.
Ham, R. K. + 5=9462, Distribution of dislocations in Al
Hama, M. + 5=10788, Broken U(4)-symmetry
Hamaguchi, C. + 5=1643, Electron mobility in CdS
Hamaguchi, Y. + 5=4217, Antiferromagnetism in Cr-Mn alloys +Hamaguchi, Y. 5=6440, J.A. E.R.I. neutron diffraction, scatterin
+Hamaguchi, Y. 5=7188, MnTe neutron diffraction
+Hamaguchi, Y. 5=12185, Reflectivity of neutrons by a crystal
+Hamal, K. 5=7157, Ferrite properties in Suhl threshold
Hamalainen, M. + 5=9214, Grain growth in Ni powder
Hämäläinen, M. + 5=9226, Cu-Zn alloy formation
Hämäläinen, M. + 5=14920, Homogenization of Cu-Ni powders
Hämäläinen, M. 5=14977, KCl—KBr crystal formation from power + Hamamoto, A. S. 5=7752, Calibration of rheological apparatus
Hamamoto, I. 5=8583, Beta-decay of G-T type
Hamana, S. + 5=15686, S. W. F. association with flares
+Hamann, A. 5=8333, Spark chamber tape recorder
+Hambrick, C.G. 5=1403, Interactions between elastic waves
Hameka, H. F. 5=2932, Molecular vibrations in optical rotation
+Hameka, H. F. 5=5889, Zero-field splitting of methylene
Hamel, B. B. 5=14803, Binary gas mixtures
+Hamill, W. H. 5=1069, Ionization-efficiency curves
+Hamill, W. H. 5=3133, Ionization of alkyl free radicals
Hamilton, D. C. + 5=15293, New superconducting compounds
+Hamilton, D. J. 5=1659, Solid state devices
+Hamilton, D. R. 5=685, Spin, magnetic moment of N13
+Hamilton, D. R. 5=2721, Structure and moments of C11
+Hamilton, D. R. 5=13125, Luminescence of 4H SiC
Hamilton, J. 5=607, Dispersion relations and \pi-N. \pi-\pi
+Hamilton, J. F. 5=14363, Latent-image model
+Hamilton, J. H. 5=2773, Positron spectrum of Na<sup>22</sup>
Hamilton, J. H. + 5=5550, Rotation and vibration in Gd<sup>154</sup> Hamilton, J. H. + 5=8594, Decays of Ag<sup>108m</sup> and Ag<sup>110m</sup>
+Hamilton, J. H. 5=14489, Magnetic lens spectrometer
+Hamilton, P. A. 5=7620, Radio waves in the galaxy
Hamilton, R. A. 5=15707, Polar cap aurora
+Hamilton, R.J. 5=4687, Sampling or respirable dust
Hamilton, W. C. + 5=9320, Scaling of X-ray photographs
Hamilton, W. C. 5=12164, Crystallographic R factor
Hamilton, W.D. + 5=2752, 98 keV level in Eu153
+Hamm, R.N. 5=4324, Optical constants of Ag films
+Hamm, R. N. 5=7343, Optical properties of graphite
+Hammer, C. L. 5=2385, Wavefunctions for Dirac particle
+Hammer, C. L. 5=11002, (3, 3) resonance by neutrinos
Hammer, R. R. + 5=6227, Vapour pressure of MgF<sub>2</sub>
+Hammerli, M. 5=10016, Thermoelectric powers of ion
+Hammond, D. P. 5=8353, Negative ion beam injector
+Hammond, G. S. 5=11553, Excitation energy of azulene
Hampshire, M.J. + 5=1662, Si-Ge N-P junction
Hampson, J. 5=1568, Electrical conductivity of metals
Hamrick, P. + 5=4413, E.S.R. spectra of N-alkylureas
+Hamrick, P. 5=9836, t-butyl radical ESR
+Han, M. Y. 5=379, Space-time and symmetry groups
+Han, M. Y. 5=10774, Finite quantum electrodynamics
 +Hanagud, S. 5=12462, Creep vibration damping
 +Hanai, T. 5=15380, Dielectric properties of polyethylene
Hanak, J. J. + 5=6379, Preparation and properties of Nb<sub>3</sub>Sn
+Hanak, J. J. 5=6880, Superconducting properties of (Nb, Ta, V),
Hanak, J. J. 5=6892, Magnetization of Nb Sn
+Hanak, J. J. 5=6901. Field penetration in Nb_3Sn Hanamura, E. 5=7372, Magneto-optical effects
Handelman, E.T. + 5=4300, Optical absorption of CdS-CdSe
```

Handler, P. + 5=4026, Holes in (111) Ge surface

Handler, G. S. + 5=11414, Statistical theory of electronic energia

Handler, P. 5=12762, Franz-Keldysh effect in Ge andler, P. 5=13029, Optical properties of space-charge Handley, T. H. 5=2784, Eu¹⁴⁸ alpha emitter Handtmann, D. 5=3300, Structure of fused Sn Haneman, D. 5=3538, Electron diffraction of surfaces
Haneman, D. 5=3556, Crystal growth in chlorpromazine Hanes, G. R. 5=273, Lasers with spherical mirrors aneta, V. 5=12411, Stacking faults in epitaxial Si anfman, D. 5=12033, Strain energy of InSb surfaces anic, F. 5=6430, Measurement of X-ray diffraction spots ankins, D. + 5=10881, Regge pole parameters anna, J. A. 5=7853, Calibrator for pressure transducers Hanna, M. W. 5=3041, Stabilities of H bonds to N anna, R. + 5=13076, Na₂O xSiO₂ i.r. spectra Hanna, S.S. 5=802, Proton capture by B¹¹ Hanna, S. S. 5=8540, Single state for E1 resonance Hannam, A. L. 5=9223, BC-SiC phase equilibrium annay, N.B. + 5=15291, Superconductivity in graphitic compounds Hanneman, R. E. 5=3812, Surface tensions of III-V compounds anneman, R. E. + 5=10391, Pressure dependence of thermocouples Hanoka, J. I. 5=14968, Crystal growth in gels lansen, E. B. 5=2119, Diffraction by circular disk Tansen, D. + 5=12535, Cold drawing in polymers Hansen, D. A. 5=6494, Structure of YNi ansen, H. + 5=1068, Cross-section for K-ionization lansen, L. F. + 5=2847, (α, n) reactions in elements with A ~ 100 lansen, N. R. + 5=3538, Electron diffraction of surfaces Hansen, O. 5=807, (p, α) reactions Hansen, O. 5=837, Deuteron scattering and (d, p) reactions Hansen, O. 5=2743, Low excited levels in Ca45 lansen, P. G. + 5=8571, Preparation of beta-spectroscopy lansen, P. G. + 5=14485, Gamma-ray spectroscopy lansen, R.S. 5=1166, Surface age in vibrating jet -Hansen, W. L. 5=2522, Automatic Li drifting apparatus Mansen, W. L. + 5=10912, Silicon junction particle detectors lansen, W. L. + 5=10990, Li-drifted Ge γ detectors -Hanson, A. R. 5=10379, Miniature temperature probe lanson, A. R. 5=11801, Cylinder drag in airstream Hanson, H. P. 5=8962, Impact ionization of O_2 lanson, R. J. + 5=7953, Magnetically shielded solenoid lanson, W. B. + 5=4504, Night-time F-layer lanson, W. B. + 5=13466, Ionospheric ion traps lanss, R. E. 5=7136, Domain structure in magnetite lanst, P. L. + 5=8825, Molecular structure of B_2O_3 +Hanst, P. L. 5=10171, Nitrogen oxides on Mars Hansteen, J. M. + 5=8683, Coulomb disintegration of 6Li Anszen, K.J. 5=220, Electron guns and lenses Ianszen, K.J. 5=1314, Growth of Ag vapour films Ianszen, K.J. 5=7961, Focusing of electron beam Tapke, B. 5=15831, Lunar dust layer Taque, C.A. + 5=3515, Cleaning and ædsorption of Cr laque, N. + 5=14439, K* resonances Hara, O. + 5=10764, Symmetry violation Hara, T. + 5=4087, Dielectric polyvinylacetate ara, Y. 5=476, Helicity amplitudes -Hara, Y. 5=2434, Baryon resonances in static model dara, Y. 5=10787, Couplings in static model -Harada, I. 5=982, Organic i.r. spectra Harada, R. H. + 5=10631, Injection laser pump Haradome, M. 5=15373, Dielectrics of As—Te glasses Haranadh, C. + 5=5895, Spectroscopic relaxation times Harang, L. 5=15683, 8 kc/s near auroral zone Harar, S. 5=8644, Scattering of 14.6 MeV n by S Iarari, H. + 5=440, Baryon resonances larari, H. 5=441, Baryon and meson resonances Jarari, H. + 5=2417, Unitary symmetry in meson-baryon reactions Jarari, H. 5=8228, Particles and resonances Harashima, O. 5=12837, Deterioration of solar cells Harbeke, G. 5=13081, Optical properties of Wurtzite Harbour, P. J. + 5=9064, Absolute vacuum gauge -Hardacre, A.G. 5=2810, Optical model of 30 MeV p-scattering. II. lardeman, G. E. G. 5=7274, Double resonance in SiC Hardie, D. 5=14918, Solubility of H₂ in zirconium Hardie, R. H. 5=10164, March 1960 lunar eclipse Hardin, J. 5=14648, $\mathrm{NH_3}$ J = 3, K = 3 inversion band Tarding, G. N. + 5=9608, Helicon waves in In Hardwick, R. 5=4379, Triplet states of aromatics Hardwick, R. 5=4411, Photoreactive state of anthracene

+Hardy, J. C. 5=8592, Protons following 21Mg and 25Si decay Hardy, J. C. + 5=11260, Protons in Ar33 decay Hardy, J. R. 5=4283, I.R. lattice absorption of ionic crystals +Hargreaves, J. E. 5=9627, Electrical conductivity of Cu Hargreaves, J. K. + 5=1947, Ionospheric absorption +Hargraves, R. 5=10981, γ -p Interactions, 0.5-4.8 BeV +Hargraves, R. 5=11019, N_{45}^* (1238), ρ^o production Hargreaves, J. K. + 5=13394, Auroral absorption events Harigovindan, S. 5=13829, Analysis of periodic functions Häring, N. 5=860, β -Energy from U²³⁵ fission Harknes, H. W. 5=6098, Neutron scattering from methane +Harker, Y. D. 5=11520, Neutron scattering from NH₃ Harkness, H. W. 5=4726, Elementary dynamics +Harkrider, D. G. 5=13204, Seismic waves from dipoles Harkrider, D. G. 5=13319, Acoustic-gravity waves in atmosphere Harman, R. J. + 5=1970, Central stars of planetary nebulae +Harman, T.C. 5=2300, PbTe diode laser Harman, T. C. + 5=15234, Band structure of HgTe +Harmer, D.S. 5=1061, Ion and electron production, I. +Harmer, D.S. 5=1062, Ion and electron production in gases. II. +Harmon, N. F. 5=13701, Soft X-ray telescope Harnischmacher, E. 5=13496, E region winds Harp, R.S. + 5=3180, Plasma resonance probe +Harper, D. W. 5=1071, Spectroscopy of microplasmas Harper, R. G. 5=877, Graphite moderated assemblies Harrelland, S. A. + 5=8830, Hydrogen bonds. II. HF. ion Harrick, N.J. 5=332, Crossed-plate infrared polarizer +Harries, W. L. 5=9018, Stellarator hydromagnetic instability +Harrington, R. D. 5=7200, Ferrimagnetic resonance +Harris, A. K. 5=15764, 1962 Johnstone Island nuclear tests +Harris, A. M. 5=9771, Magnetic susceptibility of Gd-Lu Harris, A.M. + 5=12981, Gd ions in metals e.s.r. Harris, B. 5=10049. Volcanic particles in stratosphere Harris, B. + 5=11635, Ne-Hg glow discharge Harris, C. M. + 5=6089, Absorption of sound in air Harris, C. M. + 5=6172, Sound absorption in O₂-H₂O mixtures Harris, D. L. + 5=14787, Viscous flow between cylinders. II Harris, E. A. 5=4220, Antifferromagnetic ordering in ising lattice Harris, E. G. 5=1123, Two-stream instability in plasma +Harris, F. E. 5=3034, H-bonded systems. I. Guanine-cytosine Harris, J.D. 5=146, Békésy audiometry from 0.2 to 6 kc/s Harris, J. D. 5=13972, Hearing-loss trend curves Harris, J. R. + 5=9391, Pt Debye-Waller factor Harris, L. + 5=4295, Properties of Sb deposits Harris, L. + 5=12579, Carriers in antimony Harris, L. A. 5=4076, Conduction in insulating films Harris, M. J. + 5=5365, Neutron absorption by hydrogen Harris, P. 5=12788, Shock polarization of dielectrics Harris, R. K. 5=257, N.M.R. spectra of X.AA'X.' type Harris, S. + 5=11804, Kinetic equation for dilute gas Harris, S. E. + 5=2353, Optical frequency translation Harris, S. E. + 5=4990, F.M. laser oscillation Harris, S. E. + 5=5001, F.M. He-Ne laser +Harris, S. E. 5=10600, Laser frequency translation +Harris-Lowe, R. 5=10398, ³He cryostat +Harrison, A. E. 5=7972, Secondary electrons in t.w.t. 's Harrison, B. K. 5=15798, Asymptotes for superdense stars Harrison, F.R. + 5=314, I.R. cell for gas adsorption +Harrison, G. 5=1174, Viscoelastic relaxation of liquids +Harrison, G. R. 5=15463, Hexagonal ferrite compounds Harrison, H. + 5=5917, Maxwellian molecular beams Harrison, M. + 5=7849, Scattering theory +Harrison, M. C. 5=11564, Ethylene molecule in Gaussian basis. I +Harrison, S. 5=2521, Junction counters +Harrison, S. E. 5=4238, E.S.R. of Cu phthalocyanine Harrison, W.A. 5=3435, Theory of Na, Mg and Al Harrison, W. B. 5=6734, Strength of polycrystalline MgO Harrop, P. J. + 5=12756, y-flux on ZrO₂ conductivity Harsdorff, M. 5=14949, Crystal orientation of metals Harsdorff, M. + 5=14954, Orientation of silver films +Hart, E. J. 5=1915, Photolysis and radiolysis Hart, E. J. 5=6146, The hydrated electron +Hart, E.J. 5=14837, Hydrated electrons in irradiated solutions +Hart, E.L. 5=2658, Decay modes, properties of X° +Hart, E. L. 5=2689, Existence of Ω -hyperon +Hart, H. R., Jr 5=9136, Para and ferroelectricity of KCl with $(0+1)^{\circ}$ +Hart, H. R., Jr. 5=9650, Superconducting state surface effects Hart, J. 5=7909, Large-scale electrical demonstration +Hart, J. T. 5=10739, Luminous-design phenomena Hart, P. A. H. 5=4913, Partition in electron-beam waves Hart, P. J. 5=3226, Model for plasma

lardy, A. + 5=6463, Properties of Mn₃TiO₄ Hardy, A. 5=12077, Mn orthosilicate, orthothiogermanate lardy, J. C. + 5=5574, Protons following S³⁰ decay

Hart, V. P. + 5=5521, N17 energy levels +Hart, W. 5=8457, π -p s-wave scattering +Harteck, P: 5=1899, HCl-catalyzed reaction Harteck, P. + 5=7427, Reactions of O_2 ($A^3\Sigma_U^+$) Härtel, H. + 5=6653, Z_1 centres in KC1 +Hartelius, C. C. 5=7117, Co magnetocrystalline anisotropy +Harter, D. A. 5=4381, H radical reaction with aromatics Hartl, W. A. M. 5=4920, Fast electrons from filter lens Hartley, C.S. + 5=6623, Interaction of dislocations Hartman, A. W. 5=8158, Scanning microscope densitometer +Hartman, R. L. 5=1594, Cyclotron resonance in Bi-Sb alloy Hartman, T. E. 5=4073, Tunneling asymmetric barriers Hartmann, H. 5=13094, Absorption by mixed crystals +Hartmann, P. 5=1229, Electric field in alkali feldspans Hartmann, P. 5=15422, Photoelectric emission of silica +Hartmann, S. R. 5=10625, Photon echo Hartmann-Boutron, F. 5=7198, YFe garnet pumping experiments Hartmann-Boutron, F. 5=7203, YFe garnet ferrimagnetic resonance Hartnagel, H. 5=227, Space-charge diode Hartnagel, H. 5=4912, Electron hollow-beam gun +Hartung, R. 5=15628, Ion mobility in NaS2 +Hartwig, G. 5=8387, Neutron and proton e.m. structure Hartz, T.R.+ 5=4684, Satellite-borne radio telescope Hartz, T. R. 5=7604, Galactic radio emission Hartz, T. R. 5=7683, Solar noise from Alouette Harvey, A. L. 5=2046, Principle of equivalence Harvey, A. L. 5=2049, Whitehead theory of gravitation +Harvey, B. G. 5=2842, phase rule in α -scattering +Harvey, B. G. 5=5687, $C^{12}(\alpha, d)N^{14}$ reaction Harvey, C. C. 5=13467, Results from UK-2 satellite Harvey, R.R. + 5=788, Pb and Bi photoneutron cross sections Harvey, W. W. + 5=4008, Dember effect in semiconductors Hasegawa, A. + 5=1073, Ion-cyclotron waves Hasegawa, H. + 5=14454, H nuclei in primary cosmic rays +Hasegawa, H. 5=15254, Cyclotron resonance in Si. II + Hasegawa, H. 5=15781, Extra-galactic cosmic rays +Hasegawa, H. 5=15820, Star-like objects +Hasegawa, H. 5=15821, Galaxy evolution diagram +Hasegawa, H. S. 5=12498, Fracture elastic waves Hasegawa, K. 5=1657, Dark resistivity of anthracene Hasegawa, R. + 5=4188, Anisotropy in ferromagnetic films +Hasegawa, S. 5=11078, High energy jet showers. I +Haseltine, W. A. 5=15843, Deuterated water on Mars +Hashi, T. 5=7230, F¹⁹ e.s.r. in CaF₂ Hashimoto, H. + 5=12153, Pendellösung fringes of Si Hashimoto, M. + 5=6601, Ion transport through membrane Hashitsume, N. + Thermal transport phenomena Haskell, G. P. + 5=4896, Superconducting magnet economics +Haskin, L. 5=11227, Isomer ratios for Y^{87,87m} +Hass, G. 5=7334, U.V. optical constants of Cu and Ag Hass, M. 5=3659, Lattice vibrations in ionic crystals Hass, W. + 5=1832, Light beam deflection +Hassell, B. C. 5=15652, Acoustic field spatial correlation in sea +Hassell, J.A. 5=4396, H₂-D₂ exchange over Ni and Cu-Ni + Hasslacher, G.J., III, 5=7823, Measured vibration data Hässner, A. + 5=9410, Co-Ni alloys self-diffusion +Hässner, A. 5=15068, Self-diffusion in cobalt Hassoun, G. Q. + 5=10859, Partial-wave dispersion relations Hasted, J.B. + 5=1052, Electron capture by ions +Hasted, J. B. 5=1200, Dielectric properties of water +Hasted, J. B. 5=8956, Ion-atom interchange +Hastie, R. J. 5=11747, Plasma in magnetic well +Hastings, J. M. 5=7146, Magnetic structure at Brookhaven Hastings, J. M. + 5=15476, $Dy_3Al_5O_{12}$ antiferromagnetic structure +Hastings, J. R. 5=9072, Liquid compressibilities Hasuo, M. 5=15452, Magnetostriction of iron +Hatano, F. 5=3407, Boiling Hatch, A. J. 5=7955, Electromagnetic levitation Hatch, A. J. 5=12556, Strengthening of Ti alloys Hatch, S. E. + 5=5008, CaF_2 : Dy^{2+} laser +Hatchard, C. G. 5=8872, P-type delayed fluorescence Hatfield, W. E. + 5=7097, Spin—spin coupling in complexes Hathaway, C. E. + 5=1865, Spectrum of polytetrafluoroethylene +Hatkin, L. 5=2278, Optical maser amplification Hatsukade, S. + 5=2683, Photoproduction of strange particles +Hatta, Y. 5=3185, Plasma with small oscillations +Hatta, Y. 5=3200, Oscillations in discharge tubes +Hatta, Y. 5=11637, Moving striations in discharge tubes +Hatta, Y. 5=14742, Electron probe currents Hatton, C. J. + 5=5369, NM-64 neutron monitor Hatton, J. V. + 5=11914, NMR of metal fluorides and oxylons

+Hattori, H. 5=14822, Out-gases from ceramics +Hattori, M. 5=12065, Desorption of He from micas +Hattori, M. 5=12319, Diffusion of helium in beryl +Hattori, T. 5=6919, Diffusion size effect in bismuth Hattori, T. + 5=9623, Galvanomagnetic effects in bismuth +Haubenreisser, W. 5=12892, Ferromagnet anisotropy constants +Haubenreisser, W. 5=12898, Thin film ferromagnetism +Hauck, B. 5=10137, Catalogue of stars Haug, A. 5=9585, Transformation of Fröhlich Hamiltonian Hauk, V.+ 5=1360, Lattice deformation of Al alloys +Hauk, V. 5=1526, Lattice deformation of iron Haul, R. + 5=9417, Oxygen diffusion in rutile Hauptman, H. 5=1337, Determination of phase +Hauptman, Z. 5=12112, Crystal growth III Hauptmanova, K. + 5=7352, Optical properties of Nd3+: glass Haurwitz, M.W. 5=4676, Solar flares and radio bursts +Hause, C. D. 5=957, Molecular constants of NO +Hauser, F. E. 5=9575, Dynamic mechanical properties of Ag-A Hauser, I. + 5=10947, Distortion in NIKFI-R emulsions Hauser, J.J. + 5=1629, Superconductivity in Cu and Pt Hauser, J. J. 5=9656, Phase transformation in superconductors +Hauser, M. 5=3348, Luminescence of cis-stilbene +Hauser, R. 5=9163, Nuclear spin relaxation in benzene +Hauser, S. M. 5=3356, Kerr constant of liquids Häusler, E. + 5=9024, Diffusion of inhomogeneous ultrasonic waves in a stable and unstable layered fluid Häusler, E. + 5=10308, Rapid deformation measurement +Hausman, H. J. 5=14537, Total reaction cross sections Hausser, K. H. + 5=11596, Radical proton relaxation Hausser, K. H. 5=14870, High-field limit of nuclear polarization Häusser, O. + 5=5617, Mg²⁸(p, p) by cross section fluctuations Hausser, R. + 5=4980, N.M.R. and two-spin correlation Hausser, R. + 5=8027, N.M.R. in two-spin systems Haussühl, S. 5=6758, Ag[Na] ClO3, NaBrO3 elasticity +Hautecler, S. 5=2818, n-Scattering by bound nuclei +Hautecler, S. 5=5897, Proton spectrum in xylene Hautecler, S. + 5=6514, Cold neutron-phonon scattering in Ni +Hauw, C. 5=15024, Structure of chloro-2 amino-3 naphthoquinone. 1.4 Havas, P. 5=7767, Four-dimensional Newtonian mechanics and relativity +Havens, W. W., Jr. 5=8547, Neutron resonance spectroscopy. V. Nb, Ag, I, and Cs +Havens, W.W., Jr. 5=820, Neutron resonance spectroscopy. IV +Haverbusch, M. 5=1720, Magnetic susceptibility measurement +Haverfield, A. J. 5=14473, Internal conversion spectrometer Havliček, F. I. + 5=14521, γ - α reaction spectroscopy Hawkes, P. W. 5=10658, Aberrations of optical or electron systems Hawkins, D. 5=2007, Laboratory science in schools +Hawkins, E.G. 5=3318, Viscosity of glass Hawkins, F. M. 5=15261, Electron focusing in metals +Hawkins, G. S. 5=7646, Ionizing efficiency of meteors +Hawryld, F. 5=14160, GaAs injection laser +Hawthorn, M. F. 5=3059, $\rm B^{11}$ n.m.r. spectrum of $\rm B_{xx}H_{1x}^{-2}$ +Haxby, R.O. 5=520, Mura electron accelerator. II Haxby, R.O. + 5=521, Mura electron accelerator.III +Haxby, R.O. 5=524, Mura electron accelerator.VI +Haxby, R.O. 5=525, Mura electron accelerator.VII Hayakawa, S. + 5=955, Excitation cross section of N_{ν}^{+} Hayakawa, S. + 5=5462, Elastic and inelastic $p-He^4$ collisions +Hayakawa, S. 5=9130, Naphthalene scintillation times +Hayakawa, S. 5=15820, Star-like objects Hayakawa, S. + 5=15869, X-rays in interplanetary space +Hayami, R. A. 5=11720, Fabry-Perot resonators for plasma Hayart, R. 5=7748, Solid with surface couples +Hayashi, C. 5=7712, Diaphragm manometer Hayashi, H. + 5=3475, Transition of strontium olivine Hayashi, J. + 5=6336, Phase separation of borosilicate glass +Hayashi, K. 5=14665, E.S.R. saturation of radicals in polymen Hayashi, K. + 5=15451, Fe, Ni-Fe and Ni film domains Hayashi, M. + 5=1681, Switching of BaTiO, crystal Hayashi, S. + 5=7951, High-field electromagnet Hayashi, S. 5=11866, Theory of viscoelasticity in polymers. IV. Hayasi, S. + 5=7143, Coercive force of nickel Hayasi, T. 5=5755, L α , β_1 , β_2 satellites of Cd Hayasi, T. 5=5764, K α , β - satellites of magnesium Hayasi, T. + 5=15530, Dielectrics X-ray reflection +Haybron, R. M. 5=792, Analysis proton scattering Haybron, R. M. + 5=5616, Inelastic scattering of nucleons Hayes, R. E. 5=2262, Twisted transverse-wave couplers Hayes, W. 5=4306, Vibrations of P Al in GaSb

```
ayes, W. + 5=6257, Ferric complexes in Ag halides
tyfield, P.C.S.+ 5=3492, Film growth ayli, A. 5=13724, Orbits of globular clusters
aymes, R. C. 5=11169-70, Neutrons in earth's atmosphere I-II
avnes, E. P., II. 5=11474, Isotope shift in Er spectrum
Hayon, E. 5=7214, E.S.R. of alcohol glasses
Hayon, E. 5=9835, Alcohol-trapped radical e.s.r.
Hays, E. E. 5=4438, Deep-water transmission paths
ayward, D. O. + 5=3516, Interaction of H and H, with Ni films
ayward, E. 5=698, Photoeffect in deformed nuclei
ayward, R. J. R. + 5=4236, Mg spinel spin-lattice relaxation
aywood, B. C. + 5=2794, Scattering law for graphite Be and BeO
Haywood, B. C. 5=8810, Molecular motion in ortho-Hazan, J. P. + 5=11372, Reactions of He<sup>3</sup> ions with Fe<sup>56</sup>
Head, A. K. 5=9450, Edge dislocation dipoles
Headrick, J. M. 5=13497, Explosion effects in E layer
Headrick, W. C. 5=13436, Eclipse effects upon ionosphere
eald, M. A., 5=3171, Microwave propagation in plasmas
Healy, W. A. 5=5870, Intermediate state of superconductors eard, H. G. + 5=5003, Mercury-rare-gas visible-u. v. laser eard, H. G. + 5=5006, Pulsed-c. w. xenon laser
eard, H. G. + 5=10618, Laser transitions in Ne eard, H. G. + 5=10621, Laser action in O, N and CO
eard, M. J. 5=8320, Automation of photographic dosimetry
Hearn, A.C. 5=2401, Bounds on renormalization constants
Hearn, D. 5=11137, Photomultipliers at high altitudes
Heasell, E. L. 5=6960, Polarity in InSb p-n junctions
Heasell, E. L. 5=12763, Alloy p-n junctions in InSb
easley, J. H. 5=10366, Heat flow between solids
Heath, D. F. 5=13365, Airglow in far u.v.
eath, G.A. + 5=4386, Thermal decomposition of NH<sub>4</sub>ClO<sub>4</sub>
eath, R. L. 5=8381, Bibliography on computers for \gamma-ray spectra eavens, O. S. + 5=12136, Epitaxic growth of selenium
leber, G. 5=14238, Hori's method. I-II
leber, G. + 5=14273, Strongly coupled Fermion fields
Heberle, J. 5=5546, Magnetic moment of I<sup>129</sup>
Hebert, A. J. 5=11511, Microwave spectra of <sup>6</sup>Li<sup>127</sup>I
echt, E. + 5=4520, Attitude control of satellites
echt, K. T. 5=8509, Su<sub>3</sub> recoupling in 2s-1d shell
echt, K. T. 5=11179, R. Wigner coefficients and application
echt, R. 5=6885, Critical field of Nb<sub>3</sub>Sn
Heckel, M. 5=11813, Sound in rarefied gases. I.
Heckenbach, E. 5=2162, Melting point determination
Hecker, M. H. L. 5=7857, Articulation-testing methods
Heckl, M. 5=11814, Sound in rarefied gases. II.
Heckman, R. W. 5=6595, Na diffusion in glasses
Heckrotte, W. 5=11760, Plasma electrostatic instabilities
edberg, K. + 5=2987, Molecular structure of B,CL eddle, D. W. O. 5=7565, Importance of absolute photometry
Hedeman, E. R. 5=10181, Solar activity in January to June 1964
Hedeman, E. R. 5=11165, Solar cosmic rays 29.5 day period
lédervàri, P. 5=7468, Classification of earthquakes
lédervári, P. 5=7469, Distribution of earthquakes
edgcock, F. T. + 5=1614, Mathiessen's rule in Ma alloys
Hedgcock, F. T. 5=12874, Properties of Mg—Mn—Al alloys
Iedin, A. E. + 5=13636, Data with rocket mass spectrometer
Heer, J. 5=4050, Properties of Ge-GaAs heterojunctions
Heeran, S.M. 5=5499, Decay of heavy hypernuclei
leerschap, M. + 5=12360, Vacancy loops in graphite
eertje, I. + 5=2613, Pu-Be neutrons
leertje, I. + 5=5371, Thresholdless n detector search
Mefferlin, R. 5=7907, Electrical essays
Meffner, H. 5=4134, Photoelectric effect in Cs<sub>3</sub>Sb
Heffner, H. + 5=14226, Transformation in quantum mechanics Hegedüs, F. 5=14324, Time—energy response of NaI and CsI Hegel, U. 5=8786, Mu-mesonic X-rays Hegenbarth, E. 5=9729, Electrocaloric effects in SrTiO<sub>3</sub>
Hegerfeldt, G. C. 5=2416, \omega-\varphi and octet-octet mixing Hehemann, R. F. 5=12025, Zr—Nb \omega transformation
Hehenkamp, Th. 5=12329, Thermal diffusion in platinum
lehl, K. + 5=833, Stripping reaction \gamma correlation
Heicklen, J. 5=4406, Photolysis of nitric oxide
Heicklen, J. 5=4407, Photolysis of nitric oxide
ieicklen, J. + 5=7445, Hg—photosensitized oxidation of \rm C_2F_4-Heidmann, J. 5=13719, New supernova remnant
leidmann, N. + 5=13719, New supernova remnant leiland, G. + 5=3938, Surface states on clean silicon
leilig, U. 5=12746, Charge carriers in Rb-Sb layers
Teilmann, G. 5=3773, Ultramicroscopy of alkali halides
feilmeier, G. H. 5=7009, Properties of crystalline hexamine
leilmeier, G. H. + 5=9927, Electro-optic effect in hexamine
eims, S. P. 5=1730, Order in Heisenberg ferromagnet
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```
+Hein, R. A. 5=15066, Enthalpy of UO.
+Heindl, R. 5=13090, tris (5-nitro-1-naphthalene) Eu sulphonate
Heine, V. 5=3928, Theory of surface states
+Heine, V. 5=9082, Theory of liquid metals
Heinen, H. + 5=3785, Removal of layers by sputtering +Heinicke, E. 5=4926, Penning ion source
+Heinloth, K. 5=10994, Tagging system for photons
+Heinrich, H.J. 5=4415, Ion exchange membrances
Heinrichs, J. + 5=3418, Van der Waals interaction in solids
+Heinrichs, J. 5=6990, Electronic polarisability of crystals
+Heinz, O. 5=11468, Li ion-atom charge transfer
+Heinz, R. M. 5=567, p + p \rightarrow d + \pi^+ reactor
Heinzelmann, M. 5=2787, Decay of Lu<sup>176n</sup>
Heinzer, P. 5=8338, Scattering and distortion in emulsions
Heinzinger, K. + 5=6148, Dissociation of HClO, solution
+Heise, B. H. 5=6901, Superconducting solenoids
+Heiskanen, K. 5=9221, NH_4Br I \leftrightarrow II modifications
Heisler, L. H. 5=13457, Ionospheric motions by backscatter
Heisler, L. H. 5=13463, Observation of perturbations in
      ionosphere
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Heisler, L. H. 5=15743, E and F-region ionograms
+Heitkamp, D. 5=6583, Sb and Ru diffusion in Ag
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Helbig, H. F. + 5=1060, Electron capture in collisions
+Helbig, H. F. 5=3072, Thermal dissociation of H
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+Helfand, E. 5=3305, Critical solution behavior
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+Helfrich, W. 5=7043, Hole currents in anthracene
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Helgesson, C. I. 5=6741, Mo-Mg bonding mechanism +Helland, J. A. 5=11091, \pi-p elastic scattering
 +Hellawell, A. 5=9176, Freezing of eutectic mixtures
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+Heller, A. 5=3346, Energy transfer in solution
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 +Heller, H. C. 5=11605, Free radical production in solids
 +Heller, L. 5=5341, p-p near interference minimum
Heller, L. + 5=8403, Nucleon—nucleon scattering
Heller, W. 5=14205, Light scattering of spheres. XVI
 +Heller, W. R. 5=4320, Rare-earth ions in alkali halides. I
+Heller, Z.H. 5=290, Raman laser in mixed liquids +Heller, Z.H. 5=13124, Fluorescence in ruby
+Hellesen, B. 5=455, Cabibbo weak currents
 +Hellesen, B. 5=2436, Nonleptonic baryon decays
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 +Hellner, E. 5=6464, Structure of vanthoffite
Hellwege, K. H. + 5=3421, Exchange splitting in Dy-Al garnet +Helmberger, J. 5=8073, Ultrasonic cell as a light modulator +Helmcke, J. 5=8052, Gas laser, single frequency +Helmer, R. G. 5=734. Levels in 78 Re<sup>188</sup> Helmer, R. G. 5=8561, Decay of Os<sup>194</sup>
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+Hemenger, P. M. 5=12891, Ferromagnetic coupling constant
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 +Hemon, C. 5=7460, Impulsional seismogram
Hempel, K.A. + 5=1786, Ferrimagnetic resonance in Ba ferrite +Hempel, K.A. 5=9831, Ferrimagnetic resonance in ellipsoids
 +Hempkins, W.B. 5=3333, Underwater sound reflection
Hempstock, T.I. + 5=150, Quiet thresholds
Hemschik, H. 5=7114, Ferromagnetism of thin films
 +Hemstreet, H.W.,Jr. 5=201, Electron temperature in cesium
      converters
 +Henderson, C. 5=11120, \beta-decay of \Lambda
 +Henderson, C. 5=11122, Lambda-hyperon beta decay
 +Henderson, C. L. 5=13439, Measurement of electron
 +Henderson, D. 5=1176, Cell model for quantum fluids. II.
 +Henderson, D. 5=2066, Quantum tunnel model
Henderson, M. + 5=14810, Thermal relaxation in O with
       impurities
```

```
+Hendricks, S. 5=13562, Vanguard 3 magnetic field data +Hendricks, T. 5=5401, 2\pi structure in A meson
 +Hendrickson, C. G. 5=5784, Excitation of Li 2p-level
Hendrix, W. P. + 5=1210, Thermal precipitator
 Heng Du. See Du Heng.
+Henina, M.O. 5=3399, Melting point of fibres
+Henina, M.O. 5=4287, Double refraction of fibres
+Henins, A. 5=12368, Measurement of lattice imperfections
Henins, I. 5=3436, Precision density of silicon
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Henkel, O. 5=4180, Anhysteretic susceptibility
Henkel, O. 5=7123, Cu-Ni-Fe remanent behaviour
+Henkel, R. L. 5=8691, Pu fission anisotropy
Henkes, W. 5=8963, Production of plasma
Henley, E. M. + 5=5334, \pi -N, K-N and N-N scattering
Hennephof, J. 5=1609, The electrical resistivities of Gd-Y alloys
Hennes, J. P. + 5=13270, U.V. radiance of atmosphere
+Hennessy, J. 5=2655, \pi^- Interactions on nuclei Hennig, G. 5=9412, Diffusion of graphite
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+Hennig, K. 5=9846, Doped AgBr e. s. r.
+Héno, Y. 5=5540, Nuclear photoactivation of indium
Henon, M. 5=13722, Evolution of globular clusters. II.
+Henri, V. P. 5=8473, K (725) in K+p interactions at 3 GeV/c
+Henrich, V. E. 5=6921, Electron mobility in CdS films
Henriksen, T. 5=4417, Irradiated aqueous solutions at 77°K
Henricon, W. + 5=1850, Optical activity of Se
Henry, C. H. + 5=7308, Optical properties of color centers
+Henry, G. H. 5=353, Recognition of road traffic light
Henry G. R. + 5=14402, Neutrino production of \pi and K
 +Henry, L. 5=2225, Fresnel diffraction by screen
+Henry, L. 5=5863, I.R. spectra of Ca<sub>3</sub>Al<sub>2</sub>O<sub>6</sub>. xH<sub>2</sub>O
Henry, R.C. + 5=4563, Mg in atmospheres of O and B stars
+Henry, R.C. 5=4612, Intergalactic hydrogen
+Henry, W.G. 5=9730, Thermopowers of alloys
 +Henry, W. G. 5=10390, Design of thermocouple material
Hensel, J. C. + 5=15254, Cyclotron resonance in Si. II
Henson, P. W. 5=2527, Photographic dosemeter
+Henson, R. W. 5=9432, Neutron scattering in graphite
+Hepp, V. 5=2686, Sigma leptonic decays
 +Hepp, V. 5=5450, Leptonic decays of charged \Sigma
 +Hepp, V. 5=11201, Short lived isomers
Herak, R. M. + 5=12228, Crystal structure of \rm Na_5Zr_2F_{13} +Heras, J. M. 5=1906, Chemisorption and decomposition of \rm H_2O
+Heras, J. M. 5=10015, Decomposition of H<sub>2</sub>O chemisorbed on Ni
 +Heras, L. 5=10015, Decomposition of H2O chemisorbed on Ni
Héraud, D. + 5=6137, Free surface fluctuations +Herb, R. G. 5=9061, Orbitron vacuum pump
Herb, R. G. 5=11797, Temperature effects on flow of gas
Herbert, A. J. + 5=2971, Microwave and r.f. spectra of LiBr
+Herbert, A. J. 5=2985, Microwave and r.f. spectra of NaF
Herbert, R. E. 5=2088, Vibrations of elastic beam
Herbrat-Lunc, H. 5=4736, Yang-Mills field
+Heredia, H. 5=11161, Cosmic rays at low latitudes
Hergenrother, K.M. 5=157, Photovoltaic i.r. detectors
Herget, P. 5=10229, Computation of preliminary orbits
Herickhoff, R. J. + 5=13035, Energy losses in metals
+Herkart, P. G. 5=6630, Dislocations in CaF<sub>2</sub>
+Herkstroeter, W. G. 5=11553, Excitation energy of azulene
+Herley, P. J. 5=3516, Interaction of H and H_2 with Ni films
Herm, R.R. + 5=3087, Scattering of K with CH<sub>3</sub>I, Br<sub>2</sub> and IC
+Herman, J. A. 5=9049, Ar-molecular gas electroluminescence
Herman, J. R. 5=7484, Radio noise by blizzards
Herman, J. R. 5=13465, Impedance of ionospheric probe
Herman, J. R. 5=13487, Determining D electron profiles
Herman, J. R. 5=13493, Cosmic noise absorption, solar eclipse
+Herman, L. 5=5769, U.V. active N-doublet +Herman, L. 5=8741, The Lyman-\alpha line of H
+Herman, L. 5=8790, Absorption spectrum of a molecule
+Herman, M. 5=6374, Recrystallization of zone-melted iron
Herman, M. + 5=10719, Scattering and absorbing medium
Herman, M. 5=13896, Scattering matrix of a sphere
+Herman, R. 5=688, Nuclear charge distribution in Ca
+Herman, R. 5=8790, Absorption spectrum of a molecule
+Herman, R. 5=11304, Ca<sup>40</sup> electron scattering
Herman, R.M. 5=2913, Rb spin disorientation
Herman, R. M. 5=11469, Spin exchange theory
Hermann, R. B. 5=8749, Pi-electron correlation in C
Herndon, R.C. + 5=8483, Λ-nucleon interaction from hypernuclei
+ Hernquist, K.G. 5=3115, Electron temperature in Cs arcs +Hernquist, K.G. 5=8753, Energy levels of Cs
```

```
Heroux, L. + 5=7054, Photoelectric yields
 +Heroux, L. 5=8760, U. V. spectra from Ne beams
Herpin, A. + 5=9819, Magnetic structure of Al Dy garnet
Herpin, P. + 5=6474, Atomic positions in KHCOs
 Herr, K. C. + 5=8119, I.R. spectrometer for flash photolysis
Herrera, I. 5=13906, Elastic wave propagation. I
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+Herring, D. F. 5=2832, d-Scattering by N<sup>14</sup> at 700-2100 keV
Herring, D. F. + 5=8308, Circular slit geometry G-factor
 +Herrington, K.D. 5=7360, Rare earth titanates, aluminates
+Herriott, D. R. 5=8136, Spherical mirror interferometer
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 +Herrnstein, W. H., III. 5=15140, Reversion during cycling of
      Al alloy
+Herschbach, D. R. 5=1016, Molecular beam detector +Herschbach, D. R. 5=3001, Activation energy for H + \rm H_2
+Herschbach, D. R. 5=3087, Scattering of K with CH<sub>3</sub>I, Br<sub>2</sub> and IC +Herscovitz, V. E. 5=5167, Electron-muon problem
 +Hersey, I.[Ed.] 5=13628, XIIIth International Astronautical
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Hersh, L.S. + 5=13149, Mixing binary halide mixtures
+Herskind, B. 5=5536, Levels in Cues and Cues
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Hervé, J. + 5=7209, Very short relaxation times
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Herve, J. + 5=9815, Quenching of Bloch walls
 +Hervet, H. 5=5846, Fluorescence from iodine vapour
+Herz, A.J. 5=2686. Sigma leptonic decays +Herz, A.J. 5=5450, Leptonic decays of charged \Sigma
Herzberg, G. 5=8788, Electronic transitions of molecules
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+Herziger, G. 5=2275, Oscillations in optical resonators
 +Herziger, G. 5=4992, Mode transformation in laser resonators
 +Herzog, F. 5=10651, Objective transmissometer
 +Herzog, G. 5=9945, Luminescence of alkaline-earth oxides
+Herzog, G. 5=13107, CaO-Pr phosphors luminescence
Herzog, W. 5=4882, Bandwidth of filters
Hesketh, R. V. 5=3852, Crystal anisotropy in graphite and U
Hess, J. + 5=8518, Apparatus for nuclear orientation
 Hess, W. 5=5985, Recombination and diffusion in neon plasma
 Hess, W. 5=11716, Microwave plasma density measurement
 +Hess, W. N. 5=13415, Inner-zone protons
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 +Hessel, A. 5=2266, Radiation from source near interface
 +Hessler, V. P. 5=13552, Magnetic field observations
 +Hessler, V. P. 5=15745, Radiowave absorption in aurora
 Hesstvedt, E. 5=13232, Water vapor in atmosphere
Hetherington, G. + 5=3878, Viscosity of vitreous silica Hetherington, J. H. + 5=11114, K^- d scattering analysis
 +Hetherington, N. 5=15829, Radar echoes from moon
 Hettler, J. P. + 5=11788, Turbulent friction in ducts
Heughebaert, J. + 5=504, Lithium-compensated Silicon junction +Heughebaert, J. 5=11082, \pi^+\!\!-\!\!p at 500MeV
 Heuring, F. T. 5=13563, Satellite altitude magnetic field
 Heurtley, J. C. 5=10675, Mirror optical resonators
 Hewish, A. + 5=10157, Interplanetary scintillation of radio sour
 +Hewitt, G. F. 5=6064, Two-phase gas/liquid flow
 Hewitt, G. F. + 5=15070, Counter diffusion in graphite
 +Hewitt, L. W. 5=7526, Polar winter mesosphere
Hewlett, P. S. 5=8100, Microscope objectives
 Hewson, A. C. + 5=12956, Magnetic properties of CuCl<sub>2</sub>. 2H<sub>2</sub>O
 +Heydemann, H. H. 5=9113, Kerr constant for liquids
 Heydemann, P. + 5=6711, Torsion pendulum for polymers +Heydenburg, N. P. 5=5628, \text{Li}^7(p,\alpha)\text{He}^4 reaction
 +Heydenburg, N. P. 5=11313, Li<sup>7</sup> proton scattering
 +Heydenreich, J. 5=3747, Dislocations in CdS +Heyding, R. D. 5=9325, Properties of \alpha and \gamma As
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Heylen, A. E. D. 5=3100, Gaseous discharge in a magnetic field
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```

```
Heymann, D. 5=15853, Sputtering of meteorites
Heyne, W. 5=2160,50, Spattering of interestries
Heyne, W. 5=2160, EMF-temperature relation of thermocouples
Heyne, W. 5=3401, Freezing point of copper
Heywang, W. 5=4089, Resistivity in BaTiO<sub>3</sub>
Heywang, W. + 5=12804, Cold conducting BaTiO<sub>3</sub>
Heywood, H. 5=7489, Solar radiation on surfaces
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Hibberd, F. H. 5=15742, Ionospheric gyro interaction
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+Hickman, T.G. 5=3958, Positron annihilation in metals
Hicks, G. T. + 5=13377, Cinematography of auroral forms
+Hicks, G. T. 5=13386. Cinemaphotography of auroras
+Hicks, J. C. 5=7945, Magnetic field measurements
Hicks, W. T. 5=1655, Semiconduction of tungsten diselenide
Hide, R. 5=11774, Boundary of rotating baroclinic fluid
+Hiedemann, E. A. 5=3802, Determination of elastic constants
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Higashi, A. + 5=1521, Plastic yielding in ice
^+Higginbotham, H. K. _5=8858, Structures of _2H_6 and _2D_6Higginbotham, H. K. _5=14658, Electron diffraction of
CH<sub>3</sub>NH<sub>2</sub>, CD<sub>3</sub>ND<sub>2</sub>
+Higgins, K. 5=5440, Non-mesic interactions of K<sup>-</sup>in He
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+Higginson, G.S. 5=917, 23S excitation cross section in He
Higgs, P.W. 5=2391, Broken symmetries, gauge fields
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Hight, M. J. 5=2206, Electrostatic torque magnetometer
+Hightchi, Y. 5=7407, Electroluminescence of ZnTe
Hilda, K. 5=10841, Time reversal non-invariance
Hijmans, J. 5=1172, Principle of corresponding states
+Hijmans, J. 5=1185, Light-scattering in liquids
+Hijmans, J. 5=6178, Light-scattering in liquids
+Hijmans, J. 5=9108, Heats of binary n-alkane mixing
Hikata, A. + 5=6528, Dislocations and harmonic u. s. generation
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+Hildebrand, B. 5=2566, High-energy nuclear interactions
+Hildebrand, R. H. 5=5415, Moderation of \pi^- in liquid D +Hildebrant, B. M. 5=4516, Gyrostabilizers
+Hilden, R. H. 5=531, Mura electron accelerator, XIII
+Hildenbrand, D. L. 5=4388, Heat of formation of Be<sub>2</sub>O(g)
Hiley, B. J. + 5=12883, Ising model
Hill, D.W.+ 5=4418, Infra-red gas analyser
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+Hill, J. E. 5=4481, Determination of auroral heights
+Hill, J. H. 5=10481, Space charge in gas
+Hill, J.W. 5=3195, Plasma trapping in magnetic mirror Hill, N.A. + 5=12019, Monoclinic—cubic transformation in ThC<sub>2</sub>
Hill, R. 5=1492, Mechanical properties of materials. I—II
Hill, R. A. + 5=5852, Near i. r. spectrum of H_2Se Hill, R. A. + 5=5864, Analysis of \nu_2 of H_2Te
Hill, R. A. 5=8740, Tables of H electron density
Hill, R. A. + 5=11534, Vibration, isitope effects in H2Se
Hill, R. A. W. + 5=9165, Droplet coalescence
+Hill, R. D. 5=8657, Nuclear capture of K
Hill, R. J. 5=10323, Shock velocity in Ar
Hill, R. M. 5=3972, Electrical conduction in metal films
Hillenbrand, L.J. 5=4389, Reaction of PbS with O2
Hiller, H. 5=13657, Non-coplanar circular orbits
Hillert, M. 5=12090, Grain growth
Hilliard, J. K. 5=4810, Distortions of sound
Hillier, I. H. + 5=2060, Quantum cell model. I
+Hillier, I. H. 5=9283, Crystallization of polymethylene
+Hillig, W. B. 5=3547, Molecular solidification
Hillion, P. 5=5172, Elementary particles and interactions Hillion, P. 5=5219, Weak interaction theory Hillion, P. 5=14256, Symmetry groups in H(R<sub>3</sub>*)
+Hillman, P. 5=684, Binding energies in C12 and Al27
+Hills, B.A. 5=170, Thermal conductivities
+Hills, H.K. 5=13412, Outer radiation zone
+Hillstrom, K. 5=8290, PHYLIS executive program
Hilmer, W. 5=12218, Crystal structure of K<sub>4</sub>(HSiO<sub>5</sub>)<sub>4</sub>
+Hilpelä, M. 5=12015, Irreversibility of III = IV of RbNO,
Hilscher, D. + 5=11342, Nuclear reactions of Si24
+Hilsum, C. 5=2969, Interferometric raman spectroscopy
Hilton, A. R. + 5=5060, Infrared transmitting glasses. II
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+Hinder, G. W. 5=5284, Image intensifier for nuclear events
Hindley, N. K. 5=3954, Cyclotron resonance of semiconductors
```

```
+Hindley, N. K. 5=7739, Semiconductor integral tables
+Hindman, J. C. 5=14867, Preparation and n.m.r. of KrF.
Hines, C.O. 5=13455, Ionospheric motions
Hines, C.O. 5=13501, Midlatitude sporadic E layers
Hines, C.O. 5=15691, Atmospheric gravity waves
+Hingsammer, J. 5=11683, Electron pressure in plasmas
Hink, W. 5=8768, L radiation from W anticathode
+Hinkle, V.O. 5=12781, Multichannel field effect transistor
Hinkley, E.D. + 5=3558, Regrowth during interface-alloying
+Hinotani, K. 5=7407, Electroluminescence of ZnTe
Hintenberger, H. 5=5728-9, Mass spectroscopy in nuclear
      physics. I-II
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+ Hinteregger, H. E. 5=7054, Photoelectric yields
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Hinteregger, H. E. 5=13758, Solar XUV spectrum
+Hintermann, H. E. 5=12149, Structure of electrodeposited copper
Hinton, F. L. + 5=15832, Variation of lunar atmosphere
+Hintz, N. M. 5=2812, Nuclear structure from the (p,t) reaction +Hintz, N. M. 5=5629, C^{12}(p,p^1\gamma)C^{12*} at 40 MeV
+Hintz, N. M. 5=11314,-15, Nuclear symmetry energy. I-II
Hinze, J. + 5=2881, Atomic integrals
+Hinze, J. 5=3038, Conformation of n-methylene-methylamine
+Hinzner, F. 5=3844, Work hardening of n-irradiated Cu
+Hioki, R. 5=15373, Dielectrics of As-Te glasses
+Hirabayashi, M. 5=7937, M.H.D. generator electrodes
+Hirabayashi, M. 5=9309, Lattice modulation in Au<sub>3</sub>Cd
+Hirahara, E. 5=15518, Sb<sup>121,123</sup> n. m. r. in MnNiSb
Hirai, M. + 5=9501, M4 band in KCl and KBr
+Hirakawa, A. Y. 5=989, Inversion in methylamines
Hirakawa, K. 5=1818, Hyperfine interactions in KCoF.
Hiramoto, T. 5=14341, Logarithmic converter for nuclear pulses Hirano, J. 5=2322, Light beam instability in waveguide
+Hirano, M. 5=6336, Phase separation of borosilicate glass
+Hirone, T. 5=1762, Magnetocrystalline anisotropy of pyrrhotite
Hirono, M. 5=13464, Atmosphere observations by lasers
+Hirose, H. 5=3283, Rheology of asphalt
Hirose, H. 5=525, Meedingy of aspiral
Hirose, T. + 5=729, Decay of Ba<sup>33</sup>, levels in Cs<sup>33</sup>
+Hirose, T. 5=8598, Decay of <sup>135</sup>La
Hiroshige, N. + 5=5342, f<sup>0</sup> and p-p scattering
Hiroshige, N. + 5=5406, Effects of f<sup>o</sup> in \pi-N scattering
+Hiroshige, N. 5=14410, N-N scattering and fo meson
Hirota, K. + 5=13167, Oxygen chemisorption on ZnO
Hirota, R. 5=10557, Solid state plasma waveguide
Hirsch, A. A. + 5=6835, Resistivity of metal films
Hirsch, A. A. + 5=7142, Ni film magnetic behaviour
+Hirsch, A. A. 5=9861, NMR in Co powder and sheets
Hirsch, C. 5=14248, Nonlinear spinor theories
Hirsch, E. H. 5=5925, Mechanism of Penning discharge
Hirsch, P. + 5=10043, Sofar propagation effects
Hirschberg, J. G. 5=10595, Duochromator for spectral
     displacements
+Hirschfelder, J.O. 5=2374, Rayleigh-Schrödinger perturbation
+Hirshfeld, A. T. 5=2516, Response of semiconductor detectors
+Hirt, C.W. 5=3081, Molecular stopping-power
+Hirt, R.C. 5=8127, Temperature cell for a spectrophotometer
Hirth, J. P. + 5=3408, Condensation and evaporation
+Hirth, J. P. 5=6623, Interaction of dislocations
+Hirth, J. P. 5=11951, Heterogeneous nucleation on substrate
+Hirth, J. P. 5=12407, Stacking fault energies
+Hirth, P. 5=3572, Diffusion whisker growth
+Hisatake, K. 5=729, Decay of Balsi, levels in Cslsi
Hisatake, K. + 5=730,0^{\circ} excited state of Ce<sup>140</sup> +Hisatake, K. 5=5583, Decay of Ce<sup>135</sup>
+Hisatake, K. 5=5584, Decay of 2.2h 138Pr
+Hisatake, K. 5=8598, Decay of ^{135}La
+Hisatsune, I.C. 5=5868, Vibrational spectra of nitric acids
Hiscocks, S. E. R. + 5=1267, Equilibrium diagram of Au-In
Hiskes, J. R. 5=8953, Distributions in charge exchange. I.
+Hitchman, D. G. I. 5=2502, Cavity ionization chambers
+Hittmain, O. 5=14547, Direct and stripping reactions
+Hittmair, O. 5=11187, Nilsson nuclear model
+Hiza, M. J. 5=11823, Production of high vacuum
+Hjalmars, S. 5=42, Graviton as a spin-2 particle
Hlynchuk, K. D. + 5=3907, Centres of current carriers in Si
+Hnyp, R. H. 5=4326, Refractive properties of NaI:Tl
+Ho I-djen. 5=15548, Moire patterns of graphite
Ho, J.C. + 5=1419, Heat capacities of \gamma-Mn
Ho Jing Kim. + 5=941, Hellmann-Feynman theorem
Ho, S. C. + 5=12329, Thermal diffusion in platinum
+Ho Tsing. 5=12522, Critical shear stress of Mo
```

```
Ho Yu-ping. + 5=4228, Ferrimagnetic resonances. I
+Ho Yu-ping. 5=4229, Ferrimagnetic resonance. II
Ho Yu-Ping. 5=4996, Output stability of lasers
Ho Yu-ping. 5=7201, Theory ferrimagnetic resonance quantum
Ho Yu-ping+ 5=7202, Nuclear resonance in ferrimagnetics
+Ho Yu-ping 5=9614, Magnetoresistance of hopping process
+Hoa Duong-N. 5=600, \rho-exhange in \pi^+ + p \rightarrow N_{33}^{**+} + \pi^0 Hoang Nguyen-Nghi. + 5=7089, UF<sub>3</sub> magnetic susceptibility +Hoard, J. L. 5=12195, Structure of C_8F_{12} +Hoare, F. E. 5=9762, Magnetism of Al alloys
+Hoare, F.E. 5=10402, Low temperature radiation shield
Hoare, M. 5=7794, Collision model for oscillators
Hobart, R. H 5=15799, Non-linear field equilibria
Hobbs, D. W. 5=12544, Tensile strength of rock
+Hobbs, G.D. 5=14751, Current sheath diffusion in zeta
Hobden, M.V. + 5=9906, Raman spectrum of GaP
Hobson, J. P. 5=6115, Bayard—Alpert gauge below 10-12 torr
+Hoch, M. 5=6286, Cr-Zr-O system
Hoch, M. 5=12363, Lattice defects in ZrO2
Hoch, M. J. R. + 5=7227. Ethylene spin—lattice relaxation +Hochberg, F. 5=15367, Si field effect transistors
+Hochberg, F. 5=15368, Surface conductivity of Si in Si-SiO<sub>2</sub>-Al
Hochberg, J. 5=5112, Depth perception loss
Hocheid, B. + 5=12012, Pu \delta \rightarrow \gamma transformation
Höcherl, G. + 5=12978, D. P. P. H. e. s. r. times
Hochgraf, N. 5=8082, Triangular lens bench
+Hochheimer, B. F. 5=11630, He-Ne discharge
Höchli, U. 5=7238, Fe<sup>3+</sup> e.s.r. in feldspar
Hock, F. 5=4709, Photoelectric line registering
Hock, F. 5=9687, Piezoresistance in Si
Hodge, P.W. 5=4599, Dwarf galaxies
Hodge, P.W. 5=15808, Photometry of clusters of Fornax galaxy
+Hodges, J. A. 5=998, Spectrum of CO2 in calcite
+Hodges, J. A. 5=4235, ESR of Cr<sup>3+</sup> in MgO
Hodges, L. R., Jr. + 5=15463, Hexagonal ferrite compounds
Hodgkinson, R. J. 5=7047, Hot electrons from semiconductors
+Hodgson, B. J. 5=15169, Stress relaxation of Mg alloy
Hodgson, P.E. 5=2717, Nuclear surface
Hoeft, J. 5=2970, Microwave rotational spectrum of PbS
Hoeft, L.O. + 5=153, Guinea-pig tympanum
Hoekstra, H.R. + 5=12202, Rare-earth sesquioxide polymorphs
 +Hoekstra, R. 5=10685, Interferometer comparator for
      spectroscopy
+Hoene, J. 5=2188, Multistage oscilloscope amplifier
+Hoenig, S. A. 5=7456, Chemisorption detector for hydrogen
Hoenig, S. T. 5=1998, Protection of copper
Hoeppner, D. W. + 5=3845, Fatigue cracks in Cu
+Hoey, M. J. 5=7508, Airglow of oxygen at 6300 Å
Hofer, E. M. + 5=12149, Structure of electrodeposited copper
Höfer, G. 5=1195, Fluorescence and energy transfer in liquids
Höfert, H. J. + 5=2315, Calibration of reflectance photometers + Hoff, R. W. 5=2792, 79-Day Fm<sup>257</sup> isotope Hoff, R. W. + 5=11387, Transuranium elements in a thermo-
      nuclear explosion
Hoff, W.D. + 5=1341, Lattice parameters from powder diffraction Hoff, W.D. + 5=9354, Lattice spacings in Ag–Zn
Hoff, W.D. + 5=12017, Deformation and phase transformations in
      Ag-Zn
Hoff, W.D. + 5=12174, Computing X-ray diffraction patterns
Hoffman, D. K. + 5=9038, Kinetic theory of dense gases. III
+Hoffman, D.O. 5=6193, Fluorescence of chelated lanthanide ions
Hoffman, H. 5=12935, Permalloy magnetization fluctuations
Hoffman, H. 5=12899, Ripple in ferromagnetic films Hoffman, H. 5=12901, Ripple in ferromagnetic films
+Hoffman, J. H. 5=13321, Composition of the atmosphere
+Hoffman, J. H. 5=13330, Constituents of upper atmosphere
+Hoffman, R. A. 5=5908, Proton n. m. r. of symmetrical molecules
+Hoffman, R. A. 5=11139, Total cosmic radiation
Hoffman, R. A. + 5=11593, Assignment of N.M.R. spectra
Hoffman, W. C. 5=2257, EM wave propagation in random medium
Hoffmann, H. 5=4182-3, Uniaxial ferromagnetic films I and II Hoffmann, H. + 5=6400, Electron interferometry inner potentials
+Hoffmann, H. 5=11970, Mean inner potential of Be
+Hoffmann, J. C. 5=6955, Variations of apparent capacity at junction +Hoffmann, K. U. 5=8965, Plasma near free path
+Hoffmann, L. 5=14509, Shielding studies in steel, II
Hoffmann, L. + 5=14512, Shielding studies in steel, V
Hoffmann, M. 5=541, Expansion of S-matrix
Hoffmann, T. A. 5=5156-7, Quantum mechanical approximations.
Hoffmann, T.W. + 5=12125, W crystal growth
Hoffmann, W. + 5=1274, Polytypism and polytropism of tridymite Hofmann, I. 5=14495, Positron spectrum of F<sup>18</sup>
```

```
+Hofmann, D. J. 5=11155, Cosmic rays in 1961:discussion
Hofmann, U. 5=9800, Magnetocrystalline constant of Ni
Hofmann, W. + 5=11528, Resonance Raman effect
Hofmeister, E. + 5=7574-5. Stellar evolution, I-II Hofmokl, T. 5=5350, p+p interactions with one \pi production Hofri, M. + 5=5222, Polarized fermion scattering
Hofstadter, R. + 5=2507, CaL and CaL (Eu) scintillation crystals +Hofstadter, R. 5=11304, Ca<sup>40</sup> electron scattering
Hofstein, S. R. + 5=4043, Surface inversion in Si
Hogarth, C. A. 5=6904, International Conference on Semiconductor
Paris, 1964
Högaasen, J. 5=73, Particle number and energy fluctuations
 +Hogg, A. M. 5=13169, Ion mass spectrometry. I
 +Hogg, A. M. 5=15611, Heats of hydration, solvation
Hogg, D. E. 5=4588, Radio structure of IC 443
Hogg, D. E. 5=10151, Radio observations of the Galaxy
 +Høgh, J. 5=8571, Preparation of beta-spectroscopy
Hohenberg, P. + 5=90, Inhomogeneous electron gas
Hohenberger, M. + 5=13809, Digital time-interval analyzer
Höhler, G. + 5=609, π-N forward scattering
Höhler, G. + 5=2635, π N Charge exchange
Hohler, G. + 5=2656, Higher πN resonances
+Hohloch, E. 5=10538, Refraction near-field of sector screen
+Hohmuth, K. 5=2495, Proportional counter
Höhn, D. H. 5=7480, Absolute humidity
Höhne, M. 5=6629, Dislocations and n.m.r. in AgBr
Höhne, M. 5=9435, Nuclear resonance in AgBr
 +Hδjδ, H. 5=12537, Cracking of polyethylene
Hokkyo, N. 5=10409, Critical velocity of superfluid
Holbeche, T.A. 5=109, Temperature in relaxing oxygen
+Holcomb, D. F. 5=1273, NMR of transition in Si
Holdeman, J. T. + 5=11285, Charged particle scattering
Holden, J. P. 5=1353, Furnace for X-ray diffractometer
 +Holden, T. M. 5=9762, Magnetism of Al alloys
Hole, W. L. 5=1704, Image sharpness of photoconductors
+Holeman, E. 5=2699, Primary nuclei
Holladay, T. M. + 5=8867, I. R. spectrum of methyl chloride
Holladay, W. + 5=2421, Statistics of unstable particles
 Holland, B. W. 5=13159-60, Adsorbed monolayers I-II
+Holland, M.G. 5=1432, Thermal conductivity of graphite.I. Holland, R.E. + 5=8545, d_{3/2} hole states in Sc Holland, V.F. + 5=3533, Isotactic polybutene-1 morpholoy
Holland, V. F. 5=3756, Dislocations in polyethylene
Holland-Nell, U. + 5=2188, Multistage oscilloscope amplifier
 +Hollander, J. M. 5=5515, Mixed M1-E2 transitions
 +Hollander, J. M. 5=14473, Internal conversion spectrometer
 Hollander, J. M. + 5=14598, Electron binding in Bk atoms
Hollands, K. G. T. 5=13985, Heat transport between rigid
      boundaries
 +Hollandsworth, C. E. 5=5643, Scattering of neutrons from nucle
 Holleman, T. 5=9107, Heats of mixing of alkane mixtures
 Holleman, T. + 5=9108, Heats of binary n-alkane mixing +Holley, C. E., Jr. 5=10199, Combustion bomb with a window
 +Hollingsworth C.S. 5=1916, Radiolysis of cyclohexane-
cyclohexene-1<sup>-14</sup>C
Hollins, G. T. 5=4090, Dielectric constant of ice
 Hollister, D. D. 5=14740, Electrical conductivity of plasmas
 Hollister, D. D. 5=14775, Self-diagnosing plasma generator
 Hollocher, T.C. + 5=2270, ESR spectrometer design
Holloway, H. + 5=9262, Oriented growth of semiconductors I.
 +Holloway, J. 5=10211, H maser and Cs beam frequency
      comparison
Holloway, W.W., Jr. + 5=4354, Fluorescence of MnF<sub>2</sub>
+Holloway, W.W., Jr. 5=9759, Photomultiplier tube cooling devi
Hollowell, C.D. + 5=2985, Microwave and r.f. spectra of NaF
 +Hollox, G. E. 5=9535, Slip deformation in CaWO.
 +Holm, B. A. 5=3999, Superconducting tubes +Holm, S. 5=807, (p, \alpha) reactions
 +Holm, S. E. 5=10124, Astronomical photography. II. Developer
 Holmberg, P. + 5=5508, Mixing ratios in even-even nuclei
 +Holmberg, P. 5=14536, Cl^{35,37}(p, \gamma) from 800 keV to 2050 keV
 +Holmen, S. 5=15021, Crystal structure of AgMoO<sub>2</sub>PO<sub>4</sub>
 Holmes, D. A. 5=308, Rotary compensators
 +Holmes, D. A. 5=2278, Optical maser amplification
 Holmes, D. A. 5=10726, Resonance in rotary compensators
 Holmes, D. K. 5=3779, Radiation-damage studies
 Holmes, H. F. + 5=12070, Heat of immersion of ThO<sub>2</sub> in H<sub>2</sub>O
 +Holmes, J. C. 5=13321, Composition of the atmosphere
+Holmes, J. C. 5=13330, Constituents of upper atmosphere
 Holmes, J. J. 5=15197, Creep of zircaloy-2
 Holmes, P.J. 5=9, Capacitance measurement of film thickness
 Holmes, R. + 5=3044, Relaxation in C<sub>3</sub>H<sub>a</sub>, CH<sub>3</sub>CH:CH<sub>2</sub> and C<sub>2</sub>H<sub>6</sub>
```

+Holmgren, H. D. 5=658, Alpha-helium scattering

```
olmgren, H.D. 5=845, Interactions of He<sup>3</sup> and T<sup>3</sup>.
Holmgren, H.D. 5=846, Be<sup>3</sup>(He<sup>3</sup>, \alpha)2He<sup>4</sup> reaction
Holmgren, H.D. 5=847, Be (He<sup>3</sup>, \rho\alpha)2He<sup>4</sup> reaction
-Holmgren, H. D. 5=8496, α-He scattering from 53 to 120 MeV
Iolmström, B. 5=10011, Oxidation of flavin mono nucleotide
olmström, I. 5=4465, Vertical structure of atmosphere
Holmwood, R. A. 5=6675, Stress in films on silicon substrates Holroyd, L. V. 5=15500, E. P. R. spectrum of Fe<sup>3+</sup> in MgO
Holstein, T. 5=3892, Transport in electron-phonon gas
Holt, A.R. 5=473, Unitary transformations in scattering
Holt, A.R. 5=2482, Unitary transformation in scattering theory
Holt, A. R. 5=5844, H, wave functions
Holt, D. B. 5=6413, Grain boundaries in sphalerite structure
Holt, D. L. 5=15101, Cold work—stacking fault energies relation
Holt, J. B. 5=9406, Diffusion of O in metals
Holt, P. D. + 5=10984, High-energy γ dosimetry
Holtebekk, T. 5=5272, Magnetic spectrometer for nuclear reactions
Holter, Ø. + 5=11759, Instability of plasma column
Holthuizen, D. J. 5=8405, Proton-nucleus at 12 and 24 GeV/c
+Holtz, M. D. 5=14598, Electron binding in Bk atoms
Holtzberg, F. + 5=1724, Magnetic exchange interactions
+Holwech, I. 5=9621, Hall effect of Al
+Holwech, I. 5=9631, Galvanomagnetic effects in In
Holýk, O.K. + 5=3453, Density of synthetic polymers
Holýk, O.Z. + 5=4287, Double refraction of fibres
+Hølyński, R. 5=8499, High-energy nuclear jets
+Holzberlein, T. M. 5=918, Excited states of He
Holze, D. H. + 5=2371, Wave packet variances
Holzer, W. + 5=964, Raman effect of CCl<sub>4</sub>
+Holzmann, M. 5=6763, Fatigue process in steel
Holzwarth, G. 5=8128, Spectrophotometer dichroism
Holzwarth, G. 5=11307, e-Au, Hg scattering
Holzwarth, G. + 5=11613, Circular dichroism of polypeptides
Holzworth, G. C. + 5=13275, Skylight polarization
+Homer, R. J. 5=8409, p-p forward scattering at 1.7 GeV/c
+Homes, G. A. 5=6749, Deformation of polymethyl methacrylate
Homes, R. + 5=2990, Rotational relaxation in CO, and NoO
Honda, N. 5=3145, Relaxation in plasmas
+Honda, N. 5=9081, Forces on particles in a liquid
Honda, T. + 5=11353, Direct interaction in C^{12}(t, \alpha)B^{11}
+Honeck, H. C. 5=11041, Transient spectra in graphite
Hones, E. W., Jr. 5=13404, Electrons in magnetosphere
+Honig, A. 5=4233, MnCl<sub>2</sub>. 4H<sub>2</sub>O antiferromagnetic resonance
+Honig, J. M. 5=15234, Band structure of HgTe
+Honjo, G. 5=3760, Electron microscopy of NaCl films
+Honma, H. 5=7936, M.H.D. power generation
+Honma, T. 5=7932, Conductivity enhancement in m.h.d. generation
Honma, T. 5=7995, Charged powder in magnetic field
+Hood, F. P., III. 5=1007, NMR of d_{1,1}-cyclohexane. II. Hood, J. A. 5=12785, Si transistor degradation
Hooge, F. N. 5=4105, Intrinsic photoconductivity
Hooge, F. N. + 5=5010, Strong injection in GaAs lasers
+Hoogland, J. 5=8474, K^-P \rightarrow K^*N and KN^* at 3 GeV/c
Hook, A. B. + 5=2910, Analyses of Y spectra
Hooker, C. N. + 5=9401, Thermal conductance in graphite
Hooker, C. A. + 5=14709, Density of decaying H plasmas
+Hooper, J. W. 5=1061, Ion and electron production. I.
+Hooper, J.W. 5=1062, Ion and electron production in gases. II.
+Hooper, W.W. 5=4072, Charges on Si p-n junctions
Hooton, B. W. 5=11221, Colomb excitation in Na^{23}, Mn^{55}, Sm^{152,4}, Ho^{165}, Tm^{169}
Hooton, B. W. 5=11234, K conversion in Ho<sup>165</sup>, Tm<sup>169</sup>, Ta<sup>181</sup> and Yb<sup>170</sup>
+Hooton, B. W. 5=11318, Resonance in P^{31}(p,\gamma_o)S^{32} Hooton, I. N. 5=2533, Associative pulse analyser
Hooton, I. N. 5=8300, Store for nuclear physics
Hooton, I. N. 5=10890, Associative storage for nuclear physics
+Hoover, M. E. 5=8751, Cs<sup>133</sup> hyperfine structure
Hoover, W. G. + 5=2052, Lattice gas properties
+Hopenfield, J. 5=11941, Supercooled liquid film convection
Hopfield, J. J. + 5=13065, Two-quantum absorption
Hopkins, H. P., Jr + 5=11857, Solution thermochemistry of
Ca (OH)<sub>2</sub>
Hopkins, H. P., Jr + 5=11858, Solution thermochemistry of Ag<sub>2</sub>SO<sub>4</sub>
Hopkins, M. M. 5=2166, Differential thermal analysis apparatus
Hopkins, M. R. 5=4888, Symposium on electrical contacts
Hopkins, R.C. 5=264, Hetero-double n.m.r.
+Hopkins, R.E. 5=8088, Image orientation
+Hoppe, W. 5=12257, Crystal structure of CH<sub>3</sub>N<sub>2</sub>OK
Hopper, V. D. + 5=660, Sampling at different altitudes
+Hoppes, D. D. 5=2516, Response of semiconductor detectors
+Hopwood, L. 5=5289, Gases for neutral beam injectors
+Hopwood, L. 5=7981, H-ion beam equilibrium fractions
```

```
+Hopwood, L. 5=10507, Equilibrium fractions for O
Hora, H. 5=10624, Discharge diode stimulated recombination
Horai, K. 5=12980, Eu2+, Gd3+ in CaF, e. s. r.
Horák, Z. 5=5733, Correlation effects in atoms and molecules
Horen, D. J. 5=2842, phase rule in \alpha-scattering
Hori, J. 5=1017, Spectra of disordered systems. II
+Hori, T. 5=7088, Neutron diffraction of Mn-Zn
+Hori, T. 5=7187, Magnetic structure of MnHg
Horibe, T. + 5=12150, Thermal changes in corundum structure
Horie, C. + 5=3657, Boltzmann equation for phonons
Horie, H. 5=2709, Fractional parentage coefficients
+Horie, H. 5=11353, Direct interaction in C^{12}(t, \alpha)B^{11}
+Horie, K. 5=5634, P^{29} states from S^{32} (p, \alpha) P^{29}
+Horikawa, N. 5=5462, Elastic and inelastic p-He<sup>4</sup> collisions
+Horikiri, S. 5=9130, Naphthalene scintillation times
Horing, N. J. 5=1119, Oscillations of quantum plasma
Horing, N. J. 5=12627, Electron gas plasma oscillations
 +Horiye, H. 5=3791, Recoil Ge and Si atoms
Hörl, E. M. 5=6633, Dislocations in Mo
Horn, D. 5=8232, \Delta S=-\Delta Q and \Delta S=2 decay amplitudes
Hornby, J. M. 5=15895, Radio astronomy and nuclear explosion
Horne, D. E. 5=6325, Electron activated gas adsorption
Horne, R. W. 5=5186, Elementary particles
Horne, R. A. + 5=13224, Electrical conductivity of sea water
Horne, R. A. + 5=13225, Electrical conduction of sea water
+Horner, F. 5=13297, Spectra of atmospherics from lightning
Horner, F. 5=13297, Spectra of atmospherics from lightning
+Hörnfeldt, S. 5=6807, Sb fermi surface
+Hörnfeldt, S. 5=15043, Magnetoacoustic effect in Sb
+Hornig, J. F. 5=12578, Carrier generation in anthracene
Hornreich, R. M. 5=15439, Structure of Bloch walls
 +Hornung, E. W. 5=7185, Magnetothermodynamics of MnCl<sub>2</sub>
+Hornung, E. W. 5=7186, Moment and susceptibility of MnCl<sub>2</sub>
+Hornung, E. W. 5=9383, Thermodynamics of MnCl<sub>2</sub> in 100kG field
+Horny, C. 5=11563, Spectra of 1.1-dimethyl-hydrazine-diborane
+Hornyak, W. F. 5=5685, B<sup>11</sup>(He<sup>3</sup>, Li<sup>8</sup>)Be<sup>8</sup> reaction
Hornyak, W. F. 5=14335, Pulse shape discrimination
+Hornwitz, K. H. 5=14191, Digital system for spectrophotometric
+Horowitz, R. 5=13355, Atmospheric densities from Explorer 17
Horowitz, S. B. + 5=6164, Diffusion in H-bonding systems
Horrocks, D. L. + 5=2790, Radioactive noble gases
 Horrocks, D. L. 5=8390, \beta-scintillator pulse height < 100 keV
 +Horrocks, J. 5=1011, Molecular rearrangement collisions
 Horsch, F. 5=11247, Excited energy levels in U<sup>235</sup> Horsfield, W. R. 5=10718, Ruling engine
Horský, J. 5=48, Static gravitational field
 Horstmann, H. 5=8345, Data handling for C.B.N.M. accelerator
 Horstmann, M. + 5=6404, Electron diffraction of aluminium films
 Horstmann, M. 5=12182, Crystal temperature and electron
       diffraction
 Horstmann, M. 5=15007, Dynamical electron diffraction intensities
 Horstmann, M. 5=15008, Electron scattering in Al foils
 Hortig, G. 5=10508, 2-Dimensional beam scanner
+Horton, A. T. 5=3578, Solution-grown ADP
+Horton, G. K. 5=9392, Thermodynamic data for Pt
 +Horvay, G. 5=9175, Helmholtz equation in phase changes
 Horvay, G. 5=11936, Tension by nucleus freezing
 Horwitz, C. + 5=3291, Interfacial tension of emulsion drops
 Horwitz, N. + 5=493, Čerenkov counter monitor
 +Horwitz, N. 5=2689, Existence of Ω-hyperon
 +Horz, G. 5=1854, Emission efficiency of vanadium
+Hörz, G. 5=4824, Emissivity of vanadium crystals
  +Hosford, W. F., Jr. 5=12518, Mg plastic anisotropy
  +Hoskins, J. M. 5=12995, Powdered samples for N. M. R.
 +Hoskins, R. H. 5=8063, Giant pulses from Nd laser
Hoskins, R. H. + 5=13119, Fluorescence from La<sub>2</sub>O<sub>3</sub>: Nd*<sup>3</sup>
  +Hosler, W. R. 5=12751, Conduction in n-type rutile
 Hosokawa, I. 5=9033, Compressible flow fields
  +Hosokawa, N. 5=3603, X-ray lattice measurements
  +Hosomi, Y. 5=7407, Electroluminescence of ZnTe
  +Hosono, M. 5=11920, Particle size of synthetic lattices
 +Hoss, P.A. 5=1564, Optical properties of GaP
 Hostler, L. 5=16, Nonrelativistic Coulomb Green's function
  +Hötzsch, G. 5=3885, Plastic deformation of Cd-Zn. II
  +Hötzsch, G. 5=6733, Workhardening of magnesium
Hou Chung-ch'u. 5=10096, Magnetic anomalies
  Hou Pei-Yu. 5=10759, Expansion of 1/R and \delta(R)
  Houard, J. C. 5=10807, Composite particles
  +Houdion, M. 5=12500, Thermal effects in glass deformation
 Hougen, J. T. 5=3031, Motions in the dimethylacetylene molecule
```

```
Hougen, J. T. + 5=11485, Axis-switching in molecules
+Hough, P.V.C. 5=2689, Existence of \Omega-hyperon
+Houghton, A. 5=3948, Electron gas at metal densities
Houghton, D. D. 5=3256, Interactions of gravity waves
Houghton, G. 5=1133, Equation for non-Newtonian fluids
+Houghton, W.M. 5=315, Survey spectrograph
Houldin, J. E. 5=10204, Giorgi system of units
+Houlon, D. 5=960, Emissions of PO
Hoult, D. P. 5=13481, Shock waves in ionosphere
House, A. S. + 5=7857, Articulation-testing methods
House, L. L. + 5=1981, Solar spectra
House, L. L. + 5=4672, Coronal ionization
House, L.L. 5=7658, Solar Fe lines in laboratory
+Houseman, B. L. 5=11882, Thermodynamics of alcohol
     monolavers
Houska, C. R. 5=9396, Thermal expansion of carbides
Houska, C. R. 5=12362, Atomic displacements from vacancies
Housley, R. M.+ 5=1459, Displacement of impurity atoms +Houze, G. L., Jr. 5=12025, Zr–Nb \omega transformation
+Hovan, K.S. 5=6177, Ultrasonic absorption in liquid gallium
+Hovey, R. J. 5=6193, Fluorescence of chelated lanthanide ions
Hoves, W. A., Jr 5=13021, IR spectra of organic solids Howard, A. J. + 5=5677, Ne<sup>20</sup>(d, p, \gamma) Ne<sup>21</sup> reaction
+Howard, C. 5=6353, Nucleation of long-chain molecules
Howard, E. M. + 5=15183, Ag-Al prismatic slip
Howard, J. 5=6375, Recrystallization in silicon-iron strip
Howard, J. N. 5=3, John William Strutt
Howard, J.N. 5=5, Eleanor Milfred Sidgwick and Rayleighs
Howard, J. N. 5=7, Rayleigh Notebooks
Howard, J. N. 2=292. Papers of 3rd Baron Ravleigh Howard, L. N. 5=11775, Hydrodynamic stability problems
Howard, M. 5=11833, Viscometry in laboratory
+Howard, W. E. 5=4050, Properties of Ge-GaAs heterojunctions Howard, W. E. + 5=6987, Si field-effect transistors
Howatson, A. M. 5=11618, Introduction to gas discharges
+Howe, D. R. 5=12293, Specific heat of V_{1n}Fe_{9n}+Howe, L. M. 5=4152, Ion flux from emission filament
+Howe, W.D. 5=879, Reactivity change in HECTOR
Hower, G. L. + 5=13388, Radiation from auroral electrons
 Hower, G. L. + 5=13471, Nuclear testing and medium frequencies
 Howie, A. 5=6602, Applications of electron microscopy
 +Howie, A. 5=12410, Stacking fault energies of Ni-Co-Cr
 Howkins, S.D. 5=14828, Resonant frequency of bubble
Howling, D. H. + 5=12995, Powdered samples for N. M. R. Howson, R. P. 5=10670, GaAs i.r. filters
Hoyland, J. R. 5=2958, Magnetic and electrical properties. I. H_2
Hoyle, F. + 5=44, Gravitation of particle fields
Hoyle, F. + 5=45, New theory of gravitation
Hoyle, F. + 5=4528, C-field as direct particle field
+Hoyle, F. 5=4536, Radiation near massive bodies
Hoyle, F. + 5=4554, E.M. waves from dense stars
 Hoyle, F. + 5=10114, Cosmic helium abundance
 +Hoyle, F. 5=13219, Heat production in Earth
 +Hraskó, P. 5=2453, Vector boson theory of weak interaction
 +Hrdlička, J. 5=4878-9, Simple electrometer circuit. I—II
+Hrdý, J. 5=5131, X-ray reflection measurement
 Hrdý, J. 5=10205, Conversion constant \Delta ( = \lambda_{\rm g}/\lambda_{\rm c})
 +Hren, J. A. 5=6667, Young's modulus apparatus
 Hren, J. A. + 5=12510, Order and mechanical properties of Fe-Co
 Hruška, A. 5=1122, Instability of plasmas
 Hruška, A. 5=11751, Plasma instability and geomagnetic variations
Hruska, S. J. 5=1278, Vapor deposition
+Hsiao, C. C. 5=3869, Anisotropy of oriented polymers
 Hsieh Din-Yu. 5=4861, Helium II flow
Hsieh Hsi-teh. + 5=6422, Space group selection rules
+Hsu Miao-li, 5=4436, Radio waves in tunnels
Hsu Pei-wei. + 5=8466, K-K resonance
Hsu Yuan-hua. 5=4873, Measurements on solid-state diodes
 +Hsun Hu. 5=12124, Steel annealing textures
 +Hsun Hu. 5=12096, Al-Fe annealing textures
 Hu Ning. 5=14264, Mass-differences of elementary particles
Hu, T. F. + 5=8137, Ge i.r. interferometer
 Huang, Chun-Ming. 5=13828, Regression and correlation
 +Huang, H. 5=7994, Magnetohydrodynamic convection
+Huang Ho-chang. 5=8454, Low energy \pi-N 3.3 scattering Huang. K. + 5=83. Manv-body problem Huang, K. + 5=4860, Phonons in liquid helium Huang, K. + 5=8272, Exact bootstraps
 Huang Su-Shu. 5=10145, Gaseous streams in binary system
 Huang Wu-Han. + 5=265, Self-cross-relaxation masers
+Huang Wu-Han. 5=9834, Generalized effective spin-Hamiltonian
 Huang Yinn-Nien. 5=13528, Postsunset rise of f_0F_2
```

```
Huang Yinn-Nien. 5=13616, Asymmetrical effects of sunspots +Hubbard, E.C. 5=7640, Liberation of Pluto-Neptune
+Hubbard, E. C. 5=10173, Libration of Pluto to Neptune
Hubbard, J. 5=1750, Ferromagnetic nickel
Hubbard, W. M. 5=8587, Orbital electron capture
Hubbell, H. H., Jr + 5=14312, Condenser as spectrometer, III
Huber, D. L. 5=1806, Spin-magnon relaxation in garnets
Huber, D. L. 5=6571, Para-magnetic salts thermal resistivities
Huber, H.J. 5=195, Solid dielectric switch
+Huber, K. P. 5=8833, Absorption spectrum of NO<sub>2</sub>
Huber, M. 5=958, Emission spectrum of NO
Huber, M. 5=2295, Laser transition in NO molecule
Huber, M. G. 5=8584, Y40-deformation in heavy nuclei
 +Huber, O. 5=8393, Double focussing \beta-spectrometer
+Huber, P. 5=741, Decay rates by coincidence method
+Huber, P. 5=2819, n-Scattering by O<sup>18</sup>
 Huber, R. + 5=12257, Crystal structure of CH<sub>2</sub>N<sub>2</sub>OK +Hubert, L. F. 5=10056, Eddies in atmosphere
 Hübner, A. 5=11264, Lifetime of excited nuclear states
Hübner, K. 5=206, Magnetic field measurement
+Hubrig, W. H. 5=3601, X-ray lattice constants
 +Huc, J. 5=8452, \pi^+ + n \rightarrow p + \pi^0 at GeV/c
 +Huc, J. 5=11119, YY production
Hucher, M. + 5=1619, Conductance of NaCl
Huck, J. 5=8396, Materialization of \gamma-rays in NaI crystal
 +Hucke, E. E. 5=14864, Electrotransport in molten Bi-Sn
 Huddar, B. B. + 5=15654, Refrigeration system of radiosondes
Huddar, B. B. + 5=15655, Automatic anomometer
 Hudson, B. + 5=9442, (012) loops in Al
 Hudson, B. 5=9479, Dislocation loops in a-U
 +Hudson, D. E. 5=8947, Surface ionization on tungsten
 +Hudson, J. A. 5=13914, Attenuation of dispersed waves
Hudson, J. A. + 5=13916-17, Surface wave properties. I—II Hudson, J. B. + 5=6324, Absorption and condensation processes
 Hudson, R.D. + 5=11435, Li absorption cross-section
 +Hudson, R. P. 5=7141, Nd[Ce]Cl, magnetic transitions
+Hudson, R. P. 5=10381, Fixed point for thermometry
 +Hudson, R. P. 5=12913, Low-temperature magnetic transitions
 +Hudspeth, E. L. 5=834, Deuteron capture in C
 Huebener, R.P. 5=4104, Au thermoelectric size effect
 Huebner, R. H. + 5=4324, Optical constants of Ag films +Huebner, R. H. 5=7343, Optical properties of graphite
 Huebner, W. F. 5=2340, Opacity calculations
Huebner, W. F. [Ed.] + 5=14588, International Conference on
       Opacities
 Huebschmann, B. See Arad, B.
 Huetz, J. + 5=7886, Measurement of surface temperatures
 Huff, N. T. + 5=5860, Vibrations of polyatomic molecules
 Huffman, E. H. 5=2304, Stimulated emission of terbium ion
       chelate
 +Huffman, F. N. 5=2364, Hg vapor target X-ray tube
 Huffman, R. E. + 5=7507, UV. absorption of N<sub>o</sub> and O<sub>2</sub> Huffman, R. E. + 5=8923, He continuum afterglow
 +Huffner, S. 5=3421, Exchange splitting in Dy-Al garnet
 Hufford, L. E. 3=347, Retinal area-stimulus intensity Hüfner, J. 5=5817, Nuclear \gamma-rays in muonic atoms
 Hufner, S. + 5=7232, Ho ethylsulphate paramagnetic relaxation Hufner, S. + 5=9195, Hyperfine fields in Er
 +Hufner, S. 5=14904, Isomer shift on Eu<sup>151</sup>
 +Huggett, R. W. 5=2566, High-energy nuclear interactions
+Huggins, R. A. 5=4190, Magnetic history in Fe
  +Huggins, R. A. 5=13012, Quadrupole interactions in Cu
  +Huggins, R. A. 5=15510, Paramagnetic impurities in n. m. r.
 +Hugh, W. F. 5=13357, Photographic observations in airglow Hughes, A. J. + 5=3921, Energy bands in Na
  +Hughes, A. J. 5=6150, High-pressure properties of water
Hughes, E. J. + 5=9066, Pirani gauge
  Hughes, H. G. 5=15684, Earth—ionosphere cavity resonances
Hughes, H. K. 5=10214, Parseval's theorem
  +Hughes, I.S. 5=14439, N* resonances
  Hughes, J. V. 5=1937, Sky brightness
+Hughes, R. E. 5=3654, Structure of triethylenediamine
  Hughes, R. H. + 5=2982, Spectra induced by H+ impact on O2
  Hughes, R. H. + 5=5748, Electron-He collision radiation
  Hughes, R. H. + 5=5784, Excitation of Li 2p-level
Hughes, T. H. + 5=11782, Stability of Couette flow
  +Hughes, T. P. 5=1071, Spectroscopy of microplasmas
Hughes, T. P. 5=4995, Application of lasers
   +Hughes, T. P. 5=5975, Electron temperature in plasma
+Hughes, T. R. 5=5130, Automated X-ray absorption measurer
   +Hughes, V. W. 5=11071, Muonium \alpha structure constant
```

Hughes, W. E. + 5=4275, N.Q.R. in PrCl₃

```
hysics Abstracts 1965 - Part I (Jan.-June)
Hughmark, G. A. 5=11944, Forced boiling of water Hugill, J. 5=10086, Aerial impedance in ionosphere
Hugill, J. 5=13473, Aerial impedance in ionosphere
Huguenin, G. R. + 5=7603, Radio noise at 0.700 and 2.200 Mc/s
Hugon, M. 5=7562, Measurement of diameter of stellar images
Hugon, P. L. + 5=12309, Cd[Zn]SnAs, thermal properties
Hugon, F. D. + 5=12309, Cd[2n]SIAS<sub>2</sub> thermal properties
Huguenin, G. R. + 5=13320, Space radio noise and earth
+Huguenin, G. R. 5=13517; Ionospheric focusing
+Huiskamp, W. J. 5=13994, Cooling and relaxation of nuclear spin
    systems
Huizenga, J.R. 5=805, Cross-section in Mn<sup>55</sup> (p, \alpha)Cr<sup>52</sup>
Huizenga, J.R. 5=859, Fission fragments from Pb<sup>206</sup> and Bi<sup>209</sup>
Huizenga, J. R. 5=2860, Fission fragments of Ra<sup>28</sup>
+Huizenga, J. R. 5=5512, States at fission saddle-point
+Huizenga, J. R. 5=5601, Isomer ratios in nuclear reactions
+Huizenga, J. R. 5=5659, Isomer ratios for (n, \gamma) reactions
Fuizenga, W. + 5=224, Electrostatic lens system
Hülek, Z. 5=11037, Targets of neutron generators
Hulet, E, K, + 5=2792, 79-Day Fm^{257} isotope
+Hull, D. 5=3858, Brittle fracture of 3.25% Si-Fe
Hull, E. M. 5=9296, Epitaxial growth of GaAs-GaP
+Hull, G. W., Jr. 5=3999, Superconducting tubes
Hull.G.W., Jr. 5=6872, Superconductivity of intermetallic
    compounds
+Hull, G. W. Jr. 5=6893, Superconductivity in alloy systems
+Hull, G. W., Jr 5=12675, Superconductivity in In-Te system
+Hull, G. W., Jr. 5=15293, New superconducting compounds
Hulliger, F. 5=9323, NbAs, and ZrAs, structures
Hulliger, F. 5=9335, Properties of Co-group chalcogenides
Hulliger, F. + 5=12715, Semiconductivity in pyrite
Hulliger, F. 5=12653, Ti As2-type phases
Hulliger, F. 5=15264, Electrical properties of Ni-group
chalcogenides
+Hulm, J. K. 5=7952, 100 kG superconducting magnet
+Hulme, K. F. 5=12777, Stress and tunneling in Ge
+Hulse, C.O. 5=3882, Mechanical properties of talc
+Hulsizer, R. J. 5=8326, Bubble chamber scanning
Hultqvist, B. 5=4488, Height of auroral absorption II
+Humason, M. L. 5=1973, Spectra of galaxies
Humbach, W. + 5=11395, Reactor heat conduction analogue
+Humbert, B. 5=6332, Water adsorbed on ionic crystals
Humble, S. G. 5=1247, Ordered phase: Au, Mn,
+Hume-Rothery, W. 5=1267, Equilibrium diagram of Au-In
Hume-Rothery, W. 5=6792, Transition metal theories
+Humeau, P. 5=13919, Pressures in shock tube
+Humenyuk, V.S. 5=2127, Ultrasonic interferometer
+Humer, P. W. 5=1000, N.M.R. of cyanomethylene
Huml, K. + 5=4854, Laboratory tube furnaces
+Hummel, F. A. 5=9342, Lithium oxide systems
+Hummel, H. H. 5=11399, U238 fast-reactor spectra
+Hummer, D. G. 5=5917, Maxwellian molecular beams
Humphrey, F. B. + 5=7151, Flux reversal in Ni-Fe films +Humphrey, W. E. 5=643, S = -2 baryon systems Hünchen, K. + 5=2693, Decay of excited state of He<sup>6</sup>
Hund, M. 5=11843, Diffraction of water waves
Hung Ching. + 5=9263, Si dislocations and etch pits
Hunsucker, R.D. 5=13507, High ionosphere at eclipse
+Hunt, B.G. 5=13327, Oxygen density in upper atmosphere
Hunt, G.R. + 5=4623, Lunar surface features
```

Hutchings, M. T. 5=11967, Matrix elements of field operators Hutchinson, G. W. 5=5467, New looking at cosmic rays +Hutchinson, J. R. 5=7826, Vibrations of viscoelastic rod +Hutchinson, P. 5=1169, Ion-ion potentials in liquid metals Hutchinson, T. E. 5=6396, Epitaxial growth of niobium films +Hutchinson, T. E. 5=6619, Precipitates and defects in Ge and Si +Hutchinson, W. C. A. 5=10068, Electrification of freezing water +Hutchinson, W. G. 5=15596, Lumine scence in GaAs transistors +Hutchison, C. A., Jr. 5=4252, E. S. R. absorption in phenanthrene +Hutchison, C. A., Jr. 5=9851, ESR absorption by V^{2+} in CdCl₂ Hutchison, T. S. + 5=12379, Dislocation motion in aluminium Hutchison, T. S. 5=12468, Al and Au defect annealing +Hutton, D. R. 5=7234, Fe³⁺ e.s.r. in kyanite Hutton, D. R. 5=7235, Fe³⁺ e.s.r. in amethyst Hutton, E. 5=1894, Recombination of chlorine atoms +Huynh, V. D. 5=11329, Co resonance parameters for n Huzinaga, S. 5=11494, Gaussian-functions for polyatomic systems, I Hwa, R. C. 5=2487, S-matrix theory +Hwang, C. L. 5=7986, Magnetohydrodynamic flow +Hwang, W. S. 5=11778, Dispersion of Ostwald-de Waele fluid +Hyams, I. J. 5=11523, I.R. spectra of BBr3 and BI3 +Hyde, E.K. 5=806, Interactions of protons and He with Nb +Hyde, F. W. 5=7638, Spaced-site observations of Jupiter Hyde, G. R. + 5=9393, Improved dilatometer +Hyde, J. S. 5=12996, Adipic acid ENDOR Hyder, C. L. 5=1986, Loop prominence Hyder, C. L. 5=10189, Filaments and sun's magnetic fields Hyder, S. B. + 5=9920, Light scattering in NaCl and defects Hylleraas, E. A. 5=10810, Spinor representations. II Hyman, L. G. 5=9758, Photomultiplier systems +Hynek, D. P. 5=13531, Incoherent ionospheric backscatter Hyung Kyu Shin. 5=1013, Inelastic molecular collisions Hyung Kyu Shin. 5=8901, Vibrational de-excitation Hyung Kyu Shin. 5=11611, Inelastic ion-molecule collisions +Iachello, F. 5=2732, Deformations of isomers +Iachello, F. 5=5514, Disintegrations and angular momenta +Ialamov, Yu. I. 5=6076, Flow of gases in capillaries +Ianniello, L. C. 5=15282, Resistivity of α-Pu +Iannini, A. A. 5=10630, Multimode behavior of GaAs lasers Iannuzzi, M. + 5=4370, Fluorescence in anthracene Iavorskaia, I. M. 5=13911, Diffraction at circular cylinder +Ibbotson, M. 5=8450, Exchange in π^+ p \rightarrow p $\pi^+\pi^0$ at 4 GeV/c +Ibele, W. E. 5=10360, Heat transfer bibliography Iben, I. Jr. 5=13712, N¹² to C¹² during helium burning Ibers, J. A. 5=6239, Hydrogen bond in bifluoride ion +Ibers, J. A. 5=12261, Crystal structure of tristriphenylphosphine rhodium carbonyl hydride +Ibragimov, M. Kh. 5=4850, Temperature pulsations in liquid Ibrahim, E. F. 5=6565, Thermal expansion of irradiated U Ibraimov, N. S. + 5=11980, Mossbauer effect on Pd-Sn Ibuki, S. + 5=12727, Continuous oscillation in CdS Ibukun, O. 5=15685, Nuclear test and radio noise +Ichikawa, M. 5=15137, Elastic solid with cracks +Ichimiya, A. 5=1656, Electrical conductivity of anthracene

Hurt, W. B. + 5=8922, He negative glow Huruhata, M. 5=15871, Axis of zodiacal light

chamber

+Hurwitz, L. 5=13569, Sources of Earth's field

+Huson, R. 5=2655, π Interactions on nuclei

+Hussain, M. 5=1052, Electron capture by ions

+Hussenot, C. 5=6137, Free surface fluctuations Huster, E. + 5=3966, Electrical conductivity of films Huston, A. E. 5=5106, Image tube camera for plasmas

+Hutchings, J. 5=9541, Flow stress of Cu crystals

Huss, A. 5=4458, Planetary circulation

Hurwitz, C. E. + 5=2297, Electron-beam-pumped GaAs laser +Hurwitz, H., Jr. 5=10513, Magnetic field configurations

+Husain, S. R. 5=5256, Characteristics of ionisation chamber

+Husain, S. R. 5=7059, Electron transfer in cavity chambers +Husain, S. R. 5=15419, Electron emission in an irradiated

Ichimura, M. + 5=14458, Modification of residual interaction

+Ichmiya, T. 5=6022, Electrostatic plasma probe properties

Ida, M. 5=513, "=17 tolks response of linear systems Idzerda, A. B. 5=8302, Tape data collection

+Iftode, I. 5=815, Capture cross section of graphite

Ichimura, M. 5=2715, Pairing interaction

Ida, M. 5=5404, $\pi-N$ vertex functions

+Hunt, J. W. 5=7342, Birefringence in glass

Hunter, J. L. + 5=120, U.H.F.u.s. absorption cell

Hüper, R. 5=2643, π N Phase-shift analyses

phenomena. I

Hunt, W. W., Jr. + 5=1051, Ion dissociation in drift tube Hunt, W. W., Jr. + 5=9757, Magnetic electron multiplier

Hunter, J. J. 5=11800, Timer for gas flow measurement

Huntington, H. B. + 5=1439, Self-diffusion in antimony

Hunter, J. L. + 5=6177, Ultrasonic absorption in liquid gallium

+Huntingdon, H. B. 5=12329, Thermal diffusion in platinum

+Huntley, D. J. 5=10389, Au−0.03 at. %. Fe thermoelements Hunziker, W. 5=7796, Cluster properties of multiparticle systems

Hurdle B. G. + 5=1928, Signals scattered from ocean bottom ffurle, D. T. J. + 5=10305, Thermodynamics of vectorial

Hurle, I. R. 5=2931, Electron and molecule energy transfer Hurle, I. R. 5=5807, Sodium excitation process

Hurrell, J. P. 5=7271, Endor studies of S-state ions Hurst, C. A. + 5=1227, Expansion of crystals

+Hurst, J. J. 5=15475, Magnetic structure of CuSO₄

Hurst, C. A. 5=7787, Methods for Ising problem. I Hurst, G. S. + 5=8943, Ar α -ray ionization

+Huong, P. V. 5=8843, Molecular vibrations in solutions Huong, P.V. + 5=11576, Phenol solution complexes

```
+Iftode, I. 5=866, Reactor's transfer function
Iftode, I. + 5=874, Boiling in reactor
Iftode, I. + 5=876, Automation for reactors
Igi. K. 5=613. Scattering amplitude and diffraction peak
Iglitsyn, M. I. + 5=7363, Dislocations and optical absorption of Si
Iglitsyn, M. I. + 5=15333, Galvanomagnetism in n-Si
Ignatchenko, V.A.+ 5=7111, Magnetoelastic oscillations in film
 +Ignat'eva, M. I. 5=9704, Electrical conductivity of KCl
+Igo, G. 5=658, Alpha-helium scattering
+1go, G. 5=8496, \alpha-He scattering from 53 to 120 MeV
Igo, T. 5=1805, Spin lattice relaxation in silicon
Igo, T. 5=4253, Spin lattice relaxation in Si
Iguchi, K. + 5=7380, U.V. absorption of substituted p-terphenyls
+F Haya, Y. 5=5892, Structure and spectrum of nitrobenzene
+Iida, S. 5=1745, Memory phenomenon of \alpha-Fe<sub>2</sub>O<sub>2</sub> Iida, S. + 5=9294, Expitaxial growth in germanium-bromine
Iida, S. + 5=12111, Vapour growth of Ge
+Iida, S. 5=12965, Ferromagnetic resonance in garnet
Iida, S. + 5=14162, Spectra in GaAs laser
Lijima, T. + 5=5838, Molecular structure by electron diffraction +Lijima, T. 5=10097, Polar magnetic storms
Iizuka. J. + 5=634. Nonleptonic hyperon decays
+Ikawa, H. 5=1433, Thermal conductivity of K compounds
Ikeda, K. + 5=11210, Collective vibrations in nuclei
+Ikeda, S. 5=7935, M.H.D. power generator.П
+Ikeda, S. 5=7936, M.H.D. power generation
Ikeda, T. + 5=1271, Precipitation of zirconia in ceramics
+Ikeda, T. 5=1362, Bi<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub> system
+Ikeda, T. 5=12078, Crystals of Pb zirconate—titanate
+Ikeda, T. 5=12537, Cracking of polyethylene
Ikeda, T. + 5=13171, Soret coefficients of electrolytes
Ikegami, H. + 5=2820, Capture of thermal neutrons
+Ikushima, A. 5=1529, Frictional force on a dislocation
Ilakovac, K. 5=573, Neutron-neutron interaction Ilakovac, K. 5=5455, \gamma-disintegration of D
+Ileff, N. 5=114, Breakage process equation Ilgunas, V. + 5=2126, Ultrasound speed in liquids
+Ilgunas, V. 5=3331, US dispersion in liquids
+\overline{\text{Hgunas}}, V. 5=6171, Measurements of ultrasonic velocity +\overline{\text{Hgunas}}, V. I. 5=2125, Digital interferometer
 Iliavskii, Yu. V. 5=9593, Energy spectrum of thermoelectric
+Il'ichev, V.I. 5=3332, US interactions in cavitation
+Il'icheva, E. N. 5=7147, Anisotropy in uniaxial films +Iliescu, E. 5=8634, Li^7(p, \alpha)He^4 reaction at 3.2-5.3 MeV
 +Il'in, O. G. 5=10440, Shaping of pulses
 +Il'in, O. G. 5=10467, Ferrite magnet
Il'in, R, N, + 5=2911, Charge exchange of protons fl'ina, V.A. + 5=6615, Atomic displacements in Fe, Cu and W
+Il'inskii, A.I. 5=3500, Vacuum-deposited copper
 +Iliukhin, V. V. 5=15017, Crystal structure of K. BeF.
 Iljima, S. + 5=15640, Change in earth's rotation
 +Ilkiv, G. I. 5=12244, Structure of a ZrO2: Cu2O semiconductor
 +Illari, R. 5=2129, Dental turbines noise
+Illarionova, N. V. 5=5497, Counter for recoilless \gamma-rays
Illingworth, R. 5=1872, Luminescent decay of Kl; Tl
+Ilschner, B. 5=1544, Creep of silicon crystals
+Il'ves, E.O. 5=10908, Vessels for scintillation counters
 +Ilyina, E. V. 5=11655, Cs lines in d. c. arc
+Hyukhin, V. V. 5=6487, Crystal structure of Na<sub>2</sub>O. TiO<sub>2</sub>. SiO<sub>2</sub> Im, S. S. + 5=15362, GaAs chip tunnel diode
Imaeda, K. + 5=2798, High-energy nuclear interactions
Imai, T. + 5=4060, Deterioration of Ge Esaki-diodes
Imai, T. 5=12771, Esaki diode physical phenomena
 Imai, T. + 5=15353, Stress and Ge junctions
+Imaizumi, S. 5=1681, Switching of BaTiO<sub>3</sub> crystal
 Imam-Rahajoe, S. + 5=9050, Transport cross sections
 +Imamov, R. M. 5=9353, Electron diffraction study of AgBiTe<sub>3</sub>
+Imamov, R. M. 5=12045, Thin films of Cu_2O Imanishi, B. 5=844, (\alpha, d) Stripping reaction
Imanov, I. M. + 5=8873, Microwave spectrum of CD, CH,OH
+Imazu, S. 5=3107, Stabilising of positive column
Imbert, P. + 5=3906, Morin transition on hematite
Imbusch, G. F. + 5=1848, R lines of chromium in ruby
 Imenkov, A. N. 5=15361, Electrical properties of GaAs diodes
Imgram, A. G. + 5=3864, Tensile properties of Mo and Mo-0. 5Ti Imgram, D. A. + 5=13642, Satellite stabilization and control
Imhof, W. L. + 5=11177, Search for H<sup>4</sup> and Li<sup>4</sup> +Imhof, W. L. 5=11336, Neutron cross section
 +Imhof, W. L. 5=13387, Low-energy auroral electrons
 Imhof, W. L. + 5=13403, Inner Van Allen belt
Immirzi, G. 5=2475, Lehmann ellipse for three-body collision
```

```
Imre, K. + 5=5971, Correlations in plasmas. III.
Imre, L. 5=6327, Sorption isotherms
+Imrie, K.S. 5=7643, Rotation of Venus by radar
Imshenik, V.S. + 5=4584, Type II supernova outburst
Inaba, H. 5=15693, Upper atmosphere radar sounding
 +Inaba, M. 5=8126, Far infrared spectrophotometer
 +Inagaki, H. 5=14680, Ultracentrifugation study of macro-
         molecules
+Inagaki, K. 5=13989, Large solar furnace
+Inagaki, M. 5=6290, Graphitization of carbon
Inari, T. + 5=9980, Electroluminescence in ZnS(Mn) films
Indenbaum, G.V. 5=1509, Deformation effect in aluminium
Indenbom, V. L. + 5=6674, Stresses in solids
+Indenbom, V. L. 5=6713, Deformation of germanium
+Indira, K. S. 5=7353, Transparency of black Ni film
 +Indreash, G. 5=10955, Electron loading of cyclotron
 +Indreash, G. 5=14376, Ion beam deflector
+Ingard, U. 5=3108, Gas flow in a plasma column
+Ingard, U. 5=3179, Neutral gas temperature in plasmas +Ingebretsen, F. 5=5600, \gamma-\gamma correlation in aligned nuclei
Inger, G.R. 5=3261, Boundary-layer flows of gas mixtures
Inglefield, P.T. + 5=8892, Nuclear coupling and atomic number
        V-VI
Ingold, K.U. + 5=3052, ESR of organic oxy radicals
Ingraham, R. L. 5=60, Stochastic space-time
Ingram, D. J. E. 5=8874, Electron resonance of free radicals
Ingram, G.E. 5=13810, Coaxial cables, compressed gas gun
 +Inkin, V.D. 5=10937, Bubble chamber photographs
Inman, C. L. + 5=4556, \nu Emission from hot, dense gas Inman, C. L. 5=10132, Baryon star models
+Innes, F. R. 5=8919, N<sub>2</sub> afterglow absorption
+Innes, K. K. 5=3045, Vibrational frequencies of pyrimidine
Ino, H. + 5=3758, Imperfections in Si
 +Ino, T. 5=989, Inversion in methylamines
 +Ino, T. 5=5342, fo and p-p scattering
 +Ino, T. 5=5406, Effects of f° in #-N scattering
Ino, T. + 5=14410, N-N scattering and fo meson
Inopin, E.V. 5=765, Change of parity
Inopin, E. V. + 5=11283, Nuclear diffraction scattering Inopin, E. V. + 5=11284, Blow-up of nuclear boundary
 Inoue, M. + 5=5959, Fragment ions from carbon dioxide
Inoue, M. 5=12122, Tripyramid growth of epitaxial Si
 Inoue, T. 5=11218, Structure of sd-shell, I
 Inouye, T. 5=5312, Resolution of y-spectrum
+Inuishi, Y. 5=1643, Electron mobility in CdS
+Inuishi, Y. 5=1663, Si P-N junctions
Inyushkin, G. V. + 5=3549, Rotating crystal growth
In In Inferior Infer
 +Ioffe, B. L. 5=5216, Single-vertex function poles
 Ioffe, B. L. + 5=8386, Colliding electron beams
 Ioffe, B. L. + 5=14425, Meson decay unitary symmetry
 +Ioffe, B. S. 5=6728, Resistance of plastic metals to fracture
+Ioffe, I. V. 5=1638, Current instability in semiconductors
Ioffe, M. S. + 5=8991, Plasma in magnetic trap
 Ioffe, S. B. + 5=324, Achromatic wave plates
 Ioffe, V. A. + 5=15386, Nonlinear properties of CeAlO<sub>3</sub>
 Ioffe, V. A. + 5=15387, CeAlO<sub>8</sub> dielectric properties
+Ioffe, Yu. K. 5=10747, X-ray tube for structure analysis
  +Ioffe, Yu. K. 5=10748, Sharp focused X-ray tube
 Iogansen, A. V. + 5=991, Absorption bands of nitro groups
Ionescu, E. + 5=872, Cladding failure in reactor
Ionescu-Pallas, N. J. 5=7762, Particles in tensor fields
 Ionescu-Pallas, N. J. + 5=8034, Population inversion of levels
  +Ionov, A.S. 5=1024, Discharge in Penning tube
 Honov, N. I. 5=7433, Chemisorption of H on W
Iordanishvili, E. K. + 5=9731, Multistage thermoelectric
         generators
 Iordanskii, S. V. 5=14825, Vortex creation in superfluid
  +Iordanskii, V. N. 5=12553, Structure, properties of Cr-Ni steel
 Iordansky, S. V. 5=2176, Rotating Bose gas
 Iosel'son, G. L. 5=3178, Temperature measurement in plasmas
 Ioshpa, B. A. + 5=4664, Magnetic field in sunspots
 +Iosifescu, B. 5=1161, Adsorption and desorption in vacuo
+Iosifescu, B. 5=1281, Adsorption measurements in vacuum
  +Ip, J. 5=6211, Germanium oxide systems. I.
  Ipatova, I. P. + 5=15533, One-phonon impurity absorption
  +Ipparionova, N. V. 5=14480, Selective \gamma-ray counter
  +Ippolitov, A. S. 5=7885, Flame propagation in flows
  Iredale, P. + 5=5284, Image intensifier for nuclear events
 Ireland, W. 5=7542, Strength of satellite signals
 Irish, R. T. + 5=3130, Ionization rate in Hg discharge
```

rkhin, Yu. P. + 5=12641, Hall effect in ferromagnets

rons, F.E. + 5=11699, Spectroscopy of H plasma decay rvine. J. M. 5=5477, Pairing correlations in light nuclei

(rvine, W. M. 5=5094, Light scattering by spherical particles Irvine, W. M. 5=7818, Photon paths in scattering Irvine, W. M. 5=8001, Scattering of spherical particle

Irvine, W. M. + 5=9753, Spectral sensitivity for photomultipliers Hrvine, W. R. 5=6681, Urania base solid solution creep Irving, B. A. 5=9245, Growth of oxides on metals Irving, E. 5=15753, Paleomagnetic directions and poles +Isaac, E. D. 5=12890, Magnetic domains Isaacs, J. D. + 5=13192, Neutrino and geothermal fluxes Isaacs, L. L. + 5=15047, Specific heat of Cu-Zn +Isaacs, L. L. 5=15050, Ag—Sn specific heats +Isaak, G. R. 5=10253, Time dilation by Mössbauer effect Hsabelle, D. B. 5=789, Inelastic electron scattering Hsaenko, V. I. 5=14138, Non-axial stimulated radiation Isaev. P.S. + 5=608. s. p waves in #N-scattering +Isayenko, V. I. 5=8049, Complex laser oscillation modes Isebeck, K. 5=12949, Dilatometer for metals irradiation Isebeck, K. 5=12433, Irradiated Au length changes +Isebeck, K. 5=12917, Irradiated Fe magnetic effects +Isebeck, K. 5=12930, Irradiated Ni magnetic effects +Iseki, J. 5=3955, Electron scattering by acceptors in Ge +Iselin, F. 5=8443, Search for unstable particles Isenberg, C. 5=7736, Expansion of generating functions Isenor, N. R. 5=12845, Laser-induced electron emission +Iserentant, C. M. 5=12867, Thermal expansion and magnetic phenomena +Ishchenko, E. D. 5=9089, Structure of liquid systems III +Ishchuk, V. A. 5=6330, Interaction of O with W surface Ishida, K. 5=4384, Bimolecular reaction model Ishida, K. 5=10803, Spontaneous break down of symmetry +Ishida, S. 5=2431, Boson levels and composite model. II +Ishida, S. 5=3955, Electron scattering by acceptors in Ge Ishida, S. 5=5197, Mass formula for bosons Ishida, Y. + 5=3833, Creep in Al-3% Cu Ishida, Y. + 5=12471, Grain boundary sliding Ishidzu, T. + 5=677, Oscillations of heavy nuclei Ishigame, M. 5=4116, PEM effect in silicon
Ishiguro, T. + 5=6534, Ultrasonic amplification in CdS +Ishiguro, T. 5=12722, Piezoresistance of CdSb +Ishihara, M. 5=5531, Ca⁵⁰ decay scheme +Ishihara, M. 5=5638, Proton bombardments and states in Ba¹³⁰ +Ishihata, A. 5=15063, Thermal conductivity of UO2 and Al2O3 +Ishii, H. 5=6965, Double injection in Si p-i-n structures +Ishii, M. 5=6395, Epitaxial growth of GaAs +Ishii, T. 5=9625, Properties of glassy carbon +Ishikawa, H. 5=1663, Si P-N junctions Ishikawa, Y. + 5=7082, Fe-Cr alloy magnetic properties +Ishikawa, Y. 5=9824, Magnetic properties of Au-Fe Ishikawa, Y. + 5=12959, Superantiferromagnetism of dilute Fe-Cr +Ishikawa, Y. 5=15472, Discontinuities in magnetization below 1°K Isihara, A. + 5=81, Quantum statistics of distribution functions Isihara, A. + 5=4769, Dilute hard-sphere Bose gas Isin, A. + 5=12645, Magnetoresistance of iron whiskers Iskol'dskii, A. M. + 5=1089, Shock waves in plasma +Ismailov, Z. A. 5=15329, Resistance of InSb Ismailzade, I. G. + 5=12237, Ferroelectric ceramic VK-3 Isobe, T. + 5=4884, Pulse response of linear systems +Isomura, S. 5=9690, Properties of ZnSnAs₂ Israël, H. 5=13238, Thoron content of atmosphere +Israel, M. H. 5=5415, Moderation of "in liquid D +Israelyan, M. Kh. 5=10436, Gas-discharge potential stabilizer Issi, J. P. + 5=4102, Thermoelectric power of Bi Isupov, V. A. + 5=4093, Ferroelectric Na, Bi, TiO, -PbTiO, +Isupov, V. A. 5=9259, O-W bronze structure ferroelectrics Itabashi, K. 5=621, π + N \rightarrow N* + π and π -N resonance Itabashi, K. 5=624, $K\to 2\pi$ decay Itabashi, K. 5=10799, Broken-SU₃ predictions Itagaki, K. 5=1442, Self diffusion in ice +Itami, K. 5=2679, Leptonic decay of hyperons +Itami, K. 5=10842, Super-weak boson- ν coupling +Itaya, M. 5=5478, Shell model of 1f, 2p nuclei Ithell, A. H. + 5=10342, Human ears and artificial ear +Itin, V. I. 5=15157, Annealing effects on Cu-Al +Ito, A. 5=6251, Fe⁵⁷ Mössbauer effect in FeCl₂ Ito, A. + 5=6395, Epitaxial growth of GaAs Itô, D. 5=10871, Variational principle in S-matrix.I Ito, M. 5=1862, Raman spectrum of methyl bromide Ito, M. 5=5002, D.C.-excited He—Ne laser +Ito, M. 5=6395, Epitaxial growth of GaAs A 75a

Ito, M. 5=7378, Raman spectra of methylene halides Ito, M. 5=9897, Raman and i.r. spectra of CS. Ito, M. 5=500, raman and I.T. spectra of CS_2 Ito, M. 5=14122, Dispersion in waveguide Ito, T. + 5=7931, Electrode effects in m.h.d. generator +Ito, T. 5=12534, Elastic moduli of polymers Itoh, C.+ 5=633, Nonleptonic hyperon decays +Itoh, H. 5=1327, X-ray diffraction of CdS Itoh, J. + 5=9864, NMR in Cu-Ni, -Pd, -Pt alloys +Itoh, N. 5=15519, N. M. R. of Co in ferromagnetic alloys Itoh, N. + 5=9433, Vacancies and interstitials in KBr Itoh, S. + 5=11639, Instability in column Itskevich, E. S. + 5=12721, Bi Se resistivity pressure variation Itskevich, E. S. 5=13798, Low-temperature high-pressure bomb Itskevich, E.S. 5=13799, High pressure vessel +Iucci, N. 5=11159. The cosmic-ray nucleonic component +Iunusov, N. S. 5=9495, Colouration of ruby by γ -rays Ivakhno, V. N. + 5=12830, P-N junctions in InSb +Ivanceanu, I. 5=2822, n Cross-section of As Ivanchenko, I. M. + 5=5409, π^+ -p scattering phase shifts Ivanenko, D. 5=7775. Tetradic theory of gravitation +Ivanov, A. 5=302, Development in photographic photometry Ivanov, A. A. + 5=14346, Tunnel diode buffer memory Ivanov, A. A. + 5=14725, Plasma e. m. wave emission +Ivanov, A.G. 5=112, Shock waves in iron and steel Ivanov, A. G. + 5=13811, Recording instantaneous velocity +Ivanov, A. M. 5=14574, Sweep for mass spectrometer +Ivanov, A. P. 5=5073, Transmission of light-scattering layer Ivanov, A. P. + 5=11482, Spectra of disturbed-state substances Ivanov, A. P. + 5=14118, Grounded electric dipole Ivanov, B. A. 5=14820, Regulating nitrogen traps Ivanov, E. N. 5=14906, Moments of ions in crystal +Ivanov, F. N. 5=15186, Annealing of cold rolls Ivanov, G. A. 5=12580, Calculation of charge carriers in Bi Ivanov, G. K. + 5=3071, n-induced molecular transformations +Ivanov, M. I. 5=6728, Resistance of plastic metals to fracture +Ivanov, N. R. 5=9886, Optical activity of ferroelectrics +Ivanov, R. D. 5=7159, Domain-structure of ferrite films Ivanov, R. D. 5=12909, Domain boundary of ferromagnetics +Ivanov, V. E. 5=8711, High temperature reactor Ivanov, V. I. + 5=875, Radiative capture and fission of Pu²³⁹ Ivanov, V. N. 5=13251, Lower atmosphere turbulence Ivanov, V. P. + 5=10988, y-Ray roentgenometer Ivanov, V. V. 5=196, Temperature distribution in coil Ivanov, V. V. 5=7550, Light scattering in finite atmosphere Ivanov, V. V. + 5=7647, Shock wave of a meteor +Ivanov, Yu. P. 5=2585, Damping in weak interactions Ivanov-Kholodny, G. S. 5=13475, Ionization of atmosphere Ivanov-Omskii, B. I. + 5=12744, HgTe galvanomagnetic properties Ivanov-Omskii, V. I. + 5=13061, Optical and photoelectric properties of HgTe +Ivanov-Omsky, V.I. 5=12604, HgTe effective electron mass +Ivanova, A.G. 5=2155, Thermal inertia temperature measuring +Ivanova, A. N. 5=904, Hartree-Fock calculation of Li Ivanova, A. V. + 5=904, Hartree—Fock calculation of Li Ivanova, A. V. 5=1064, Photoionization in N V and O VI Ivanova, E. A. + 5=3901, Carrier lifetime in GaAs p-n junctions Ivanova, T.G. + 5=4434, Recording head waves Ivanova, T. G. + 5=443, Recording nead waves +Ivanova, V. S. 5=12555, Plastic deformation α -Ti alloy Ivanova, Z. S. + 5=7462, Love waves and upper mantle +Ivanovskaya, I. A. 5=8663, $\pi^- + \text{Xe} \rightarrow \pi^- + \pi^0 + \text{Xe}$ reaction +Ivanovskii, G. F. 5=11825, Ti, Cr getter—ion pump Ivanovskii, N. N. 5=6169, Heat transfer to sodium Ivantorski, N. N. 5=14905, Mössbauer effect in I¹²⁷
Ivanter, I. G. + 5=5489, Mass difference of mirror nuclei
Ivash, E. V. + 5=5671, Range effects, in deuteron stripping
Ivash, E. V. 5=8665, Deuteron stripping reactions +Ivashchenko, N. I. 5=1180, Heat transfer during flow of Na +Ivashevskii, S. N. 5=14599, Line shift of Cd114 Iveković, D. 5=14032, Subnanosecond pulse generator Iveronova, V. I. + 5=1244, Size effect in Fe-W alloy Iveronova, V.I. + 5=15083, Plastic deformation of copper Ives, M. B. + 5=6350, Dissolution of {100} faces of LiF. Ivlieva, V. I. + 5=14927, Sb chalcogenides phase equilibrium Ivukina, A. K. + 5=15344, Electrical conductivity of rutile +Iwahashi, I. 5=8126, Far infrared spectrophotometer Iwaizumi, M. + 5=14633, Hammett σ constants +Iwakawa, T. 5=14822, Out-gases from ceramics +Iwanov, S. 5=12711, Semiconductor dielectric properties Iwao, S. 5=2437, Baryon-baryon interactions Iwasaki, H. 5=1251, Domain structure of CuAu, +Iwasaki, H. 5=1401, Modification of (COOD)₂, 2D₂O Iwasaki, H. 5=4095, Dielectric studies on NaNbO. Iwasaki, H. + 5=9309, Lattice modulation in Au₃Cd

Iwasaki, H. 5=14921, Sintering of Pb(Ti, Zr)O₃ Iwasaki, M. + 5=5914, E. S. R. of γ -irradiated fluorine compounds +Iwata, S. 5=12776, Germanium and Silicon Esaki diodes Iwayanagi, S. + 5=14960, Molecular motion in polyethylene +Iyengar, P. K. 5=15032, NH₄ torsional oscillations in NH₄Cl Iyengar, R. S. 5=15720, Turbulent eddy motion +Iyer, K.S.S. 5=665, Bursts by muons and electrons +Iyer, K.S.S. 5=8500, Electromagnetic cascades, III Iyer, R. H. N. + 5=14528, Nucleon scattering by C +Iyue Mei-lun [Iyue Mei-lung]. 5=3594, Structure of crystals Izatt, J. R. 5=8144, Diffraction patterns +Izatt, J. R. 5=10709, Fabry-Perot reflectors +Izmailova, L. K. 5=6716, Strength of glass fibers +Iznamov, A. A. 5=11403, \mathbb{U}^{235} fission in monoisopropyldiphenyl Izokh, V. V. + 5=10441, Tunnel diode pulse generator Izquierdo, J. S. + 5=8722, Acquisition of nuclear data Izrael', Yu. A. 5=7498, Radioactive contamination Izraileva, N.I. + 5=13908, Reflection of flexural waves by ice +Izumi, K. 5=15118, Damages in LiF Izumo, K. 5=11289, Nuclear reaction model. II +Izumo, K. 5=11311, Scattering of p by nuclei Izyumov, Yu. A. + 5=15437, Impurity atoms in ferromagnetic Izyumov, Yu.A.+ 5=1734, Magnetization of a ferromagnetic

+Jaakkola, S. 5=14923, CsCl fibrous structure Jääskeläinen, P. 5=8980, TE_{oli} cavity plasma measurements Jabłoński, A. 5=9122, Polarization of fluorescence of solutions Jaccard, C. 5=6999, Irreversible processes in ice +Jaccarino, V. 5=4271, Knight shift of Pd +Jaccarino, V. 5=15521, N. M. R. of Rh^{103} in rhodium +Jaccarino, V. 5=6898, Flux distribution in superconductors Jaccarino, V. 5=9858, Transition metal n.m.r. Jacchia, L. G. + 5=13346, Temperature variations in upper atmosphere Jacchia, L. G. + 5=13378, Heating in auroral zones +Jack, K. H. 5=3878, Viscosity of vitreous silica +Jackets, B. P. 5=6511, Vibration of carbon atoms in graphite +Jackman, L. A. 5=3810, X-ray stress analysis +Jackson, C. M. 5=10549, E. M. scattering by a sphere Jackson, D. F. + 5=8632, (p, 2p) reaction Jackson, D. F. + 5=11214, T = O, 1 states of Li⁶ Jackson, G. + 5=12341, Fission gas from UO₂ Jackson, H. E. + 5=14423, B n detector with low γ sensitivity Jackson, H. G. + 5=5276, Scaler and read-out system + Jackson, J.A. 5=3374, Cations in perchlorate solution +Jackson, J. A. 5=3375, O¹⁷ N.M.R. in H₂O, D₂O +Jackson, J. A. 5=4267, N.M.R. of D₂O ice. Jackson, J. A. + 5=7278, Magnetic resonance heavy ice (D_2O) Jackson, J. A. + 5=8863, Pb-alkyls vibrational spectra +Jackson, J. D. 5=2462, Peripheral reactions Jackson, J. D. 5=8229, Phenomenological analysis of resonances +Jackson, J. E. 5=13548, Topside ionosphere Jackson, J. L+ 5=6059, Statistical formula for viscosity +Jackson, J. L. 5=6808, Fermi surface electron diffusion +Jackson, K.A. 5=1212, Particle-interface interaction +Jackson, K.A. 5=1313, Growth of Si from vapor Jackson, K. A. + 5=6355, Lamellar growth: an electric analog Jackson, K. A. + 5=12089, Solute gradient and zone volume Jackson, R. F. + 5=6246, Nuclear Mn fields in Mn₅Ge₃ Jackson, R. F. + 5=13001, H_{off} at Co in Co—Fe alloys Jacmart, J. C. 5=5459, 4N system states bibliography Jacob, A.W.B. 5=544, Spherical Geiger counters +Jacob, G. 5=5167, Electron-muon problem Jacob, M. 5=8256, Strong-interaction processes +Jacobs, G. 5=14188, U.V. spectrophotometer system Jacobs, G. B. 5=10622, Oxygen laser aging Jacobs, H. + 5=2278, Optical maser amplification +Jacobs, H. 5=10645, Ruby laser oscillators Jacobs, I.S. + 5=1769, Spin-waves in antiferromagnetics Jacobs, J. A. 5=13570, Sources of Earth's field Jacobs, J.A. + 5=13608, Geomagnetic micropulsations Jacobs, J. A. + 5=15679, Micropulsation whistlers Jacobs, K. C. + 5=8455, Boundary condition for P_{33} $\pi-N$ +Jacobs, M. H. 5=9246, Au and Ag films +Jacobs, S. F. 5=2290, He-Ne gas laser +Jacobsen, A. E. 5=8076, Blue filter for the colorimeter +Jacobsen, C.T. 5=3235, Plasma from a coaxial gun +Jacobsen, T. 5=8656, Disintegrations emitting heavy fragments +Jacobson, C. H. 5=918, Excited states of He

+Jacobson, R. A. 5=3599, Vector verification method +Jacox, M. E. 5=1913, Photolysis of HN₃ +Jacox, M.E. 5=3003, Infrared spectrum of HCO +Jacox, M. E. 5=8835, Spectra of isolated NiF2 and NiCl2 +Jadhav, B. G. 5=15654, Refrigeration system of radiosondes Jaech, J. L. 5=8730, Counting times in mass spectrometry Jaeckel, R. + 5=9069, Gas absorption by excitation +Jaecks, D. 5=3128, H₂⁺ and D₂⁺ collisions with rare gases Jaecks, D. + 5=8949, Proton-rare-gas collisions Jaeglé, P. 5=5066, Double-grating spectrography in far u. v. +Jaek, I. 5=9935, Recombination luminescence +Jafar, J.D. 5=656, He3 from D interactions Jaffe, A. A. 5=847, B¹⁰(He³, pα)2He⁴ reaction Jaffe, L. 5=13658, NASA communications satellite program Jaffe, P. M. 5=9932, Fluorescence and phosphorescence Jaffe, P. M. 5=15587, Fluorescence and phosphorescence +Jaffrey, D. 5=6709, Cu-Sn strain hardening Jaffrin, M. Y. + 5=1087, Plasma shock wave Jagannathan, P.+ 5=4466, Pressure semi-diurnal variation +Jagatheesan, S. 5=11584, Raman lines of xylenes +Jäger, E. 5=12892, Ferromagnet anisotropy constants +Jager, H. 5=3796, After-effect in irradiated N Jaggi, R. 5=12719, Bi metal-semiconductor transition Jahn, R. G. + 5=14778, Pinch discharge switch +Jahne, E. 5=15307, Non-monotomic I-V characteristics Jahns, M. F. + 5=11358, $A1^{27}(d, \alpha)$ and $F^{19}(d, \alpha)$ and 21 + 1 rule Jain, A. 5=2891, Statistical model of atoms Jain, A. P. + 5=5660, Optical-model neutron cross sections Jain, B. K. + 5=8678, (α, d) reaction analysis Jain, S.C. + 5=3721, Self diffusion of K in KCl Jain, S.C. + 5=12792, Electronic conduction KCl crystals +Jain, S. C. 5=12793, Colloidal particles in KCl +Jakobson, M. 5=8347, Velocity measurement of r.f. beams Jakubovics, J. P. 5=9783, Magnetic domain structure Jakubovics, J. P. 5=9784, Co film electron microscopy +Jakubowski, U. 5=3588, Rolled texture of copper +Jalufka, N. 5=3238, Coaxial plasma gun Jameel, M. 5=10781, Regge trajectories and unitary symmetry Jamerson, F.E. + 5=11385, Electron yield from fission fragments +James, D. W. 5=12324, Lattice diffusion in γ -Fe James, J. F. 5=10125, Noise in an astronomical spectrometer James, P. F. + 5=9308, Precipitates in diamonds James, T.C. + 5=956, Spin-orbit coupling of NO +James, T.C. 5=5848, B ³II_{n+u} state of iodine James, T. C. 5=7655, Radar echoes from sun James, T. C. + 5=11509, Infrared-emission of HBr Jan, J. P. + 5=9761, De Haas-van Alphen effect Janakirama Rao, B. V. 5=3527, Alkali-TiO, glasses Jancovici, B. + 5=2072, A many-fermion system Jänecke, J. 5=8588, Nuclear proton emission Janes, G.S. + 5=3186, Ion collection probes Janik, J. A. + 5=9090, Molecular motions in dimethoxyazoxybenzene +Janik, J. M. 5=9090, Molecular motions in dimethoxyazoxybenze Janin, J. + 5=13106, CaO γ-induced thermoluminescence Jankovic, Z. 5=7772, Special theory of relativity +Janner, A. 5=12162, Black-white point groups Jannussis, A. 5=7077, Diamagnetism of fast free electrons Jannussis, A. + 5=8429, Neutron spectrum Janos, W.A. 5=63, Green's function for Brownian kinetics Jánossy, L. 5=8074, Light velocity measurement Janowski, K. + 5=12419, Flaws in ruby laser crystals +Jansen, J. F. W. 5=8594, Decays of Ag108m and Ag110 +Jansen, L. 5=3417, Stability of alkali-halide crystals +Jansen, L. P C. 5=5667, Deuteron scattering Jansen, P. + 5=7043, Hole currents in anthracene Jansen, R. 5=7122, Magnetic structures of $Cr_{q}X_{4}$ (X = S, Se, Te) +Jansen, R. 5=7358, Absorption spectra of Pr^{3+} in AlLaO₃ +Janssen, H. 5=4024, Resistivity and mobility in Ge Janssen, S. + 5=13968, Body in gas near u. s. source +Jansson, R. E. W. 5=1904, Light emission in H-acetylene flame Janz, G. J. + 5=3398, Thermodynamics of $\rm Li_2CO_3$, $\rm K_2CO_3$ and Na₂CO₃ +Janz, G. J. 5=5874, Thiocynate structure, Raman spectra Janz, G. J. + 5=11904, Electrical conductance of AgNO₃ solutions Janzen, H. 5=6978, Si rectifier time-delay circuit +Jardinier-Offergeld, M. 5=12104, Form of cadmium crystals +Jarmoc, E. A. 5=6943, Negative resistance in p-type silicon +Jarnagin, R. C. 5=4369, Two-photon absorption in anthracene Jarrell, R. F. + 5=5091, Advances in diffraction gratings

Jacobson, M. J. 5=4806, Sound spreading losses

Jarrett, A. H. + 5=7508, Airglow of oxygen at 6300 Å

+Jarrett, B. V. 5=10990, Li-drifted Ge γ detectors

```
Jarvis, G. D. 5=9071, Terminals in vacuum systems
Jarvis, O. N. + 5=8406, Wolfenstein parameters in p-p scattering Jarvis, R. P. + 5=10310, Vibrations induced by friction
Jasiński, A. + 5=14323, Random photo-peak in scintillation
     spectrometry
Jaskiewicz, A. 5=7015, Dipoles in ABO, ferroelectrics
Jasper, J. J. + 5=11882, Thermodynamics of alcohol monolayers
Jasperse, J. R. + 5=9427, Nucleation of surface pits
+Jasso, S. 5=5253, Calibration of ionization chamber
Jastrow, R. 5=7801, Many-body problem with strong forces
Jastrzebska, M. + 5=7037, Photoconductivity in germanium
Jastrzebski, J. + 5=5592, Decay of Hg<sup>190</sup>
Jaswal, S. S. 5=6520, Lattice vibrations due to defects in NaI
+Jaswal, S. S. 5=15035, I. R. lattice absorption in KI
Jauch, J. M. 5=363. Measurement in quantum mechanics
Jauch, J. M. + 5=10216, The spectral representation
+Jauernik, U. 5=11395, Reactor heat conduction analogue
Jaunet, J. + 5=6392, Epitaxy on alkali halides
Javan, A. + 5=8769, Optical frequency mixing
+Javan, A. 5=10615, Stabilization of He-Ne maser
+Jaw Jeou-jang. 5=2219, Charged particles in magnetic field
+Jaw Jeou-jang, 5=4490, Solar plasma in geomagnetic field. I
+Jawurek, H. H. 5=1213, Heat transport in boiling
Jayaraman, A. 5=6212, Fusion of Ce under pressure
+Jayaraman, A. 5=12675, Superconductivity in In-Te system
+Jayson, J. S. 5=11750, Waves in plasmas
Jayswal, M. G. + 5=5878, Visible spectrum of p-benzoquinone
+Jeal, A. J. 5=4691, Heating Si substrates to > 800°C
+Jean, A. G. 5=13485, Effects in D region
+Jean, M. 5=8659, Pion double charge exchange
+Jean, M. 5=14474, Phenomenological rotation model of Li<sup>6</sup>
Jeannet, J. C. 5=15704, Green line in night airglow
+Jeener, J. 5=7284, One photon—two spins processes
Jeener, J. + 5=9853, R. F. pulses on solid spin system
Jefferson, C. F + 5=7168, Magnetism ilmenite—hematite
Jeffery, J.W. 5=1345, Diffractometer programs
+Jeffress, L.A. 5=134, Effect of noise on binaural hearing
+Jeffrey, G. A. 5=12256, Crystal structure of peroxypelargonic
      acid
Jefimenko, O. 5=5805, Neutral atoms and molecules in collision
Jefimenko, O. + 5=5806, K—foreign-gas mixture spectra
+Jehanno, C. 5=4145, Secondary emission statistics
Jehanno, G. + 5=6455, Crystallographic study of AuCuII
Jehle, H. + 5=8210, F—W and Lorentz transformations
Jekel, E. C. + 5=9106, Heat capacities of gadolinium chloride
Jelitto, R. J. 5=15442, Spin waves in ferromagnetic films
Jelitto, R. J. 5=15443, Spontaneous magnetization of ferro-
       magnetic films
+Jelley, J. V. 5=13683, Cosmic \gamma flux limit
Jelly, D. H. + 5=7514, Auroral absorption and precipitated electrons
Jên Ching-ju. See Zhen' Tszin-zhu.
Jenkins, G. M. 5=566, p+p\to \pi^++d at high momentum Jenkins, G. M. 5=12298, Thermal expansion of graphite Jenkins, G. M. 5=15150, Fracture in graphite
Jenkins, R. 5=487, Flow proportional counters
Jenkins, R.C.+ 5=2775, Internal conversion of Ni<sup>56</sup>
Jenkins, T.L.+ 5=2588, Liquid scintillator for antineutrino
+Jenkins, T. L. 5=11075, Photopion production from deuterium
Jennings, B, R. + 5=9112, Bentonite solution light scattering
+Jennings, D. A. 5=14149, Stimulated Brillouin scattering
Jennings, D. A. + 5=14150, Detection of Brillouin scattering
+Jennings, P. P. 5=15151, Compressive strength of graphite
Jennison, R. C. + 5=7768, Recent experiments on relativity
Jensen, G. L. + 5=2669, Leptonic decay of K meson
+Jensen, G. L. 5=2670, Branching of K* meson
+Jensen, R. C. 5=10897, G. M. counter
Jensen, R. C. + 5=14155, I-inert gas laser transitions
+Jephcott, D. F. 5=8138, Laser as an interferometer
Jephcott, D. F. 5=14086, Magnetohydrodynamic waves
Jensen, J. T. + 5=7892, Pt—Pt(Rh) thermocouples on Ni surfaces
Jepsen, D. W. 5=13884, System of hard rods
Jericho, M. H. 5=6572, Ag alloy thermal conductivity <4°K
+Jernard, H. G. 5=8548, Nb<sup>24</sup> low-lying states
Jerrard, H. G. + 5=7705, Dictionary of scientific units
+Jerrard, H. G. 5=9112, Bentonite solution light scattering
+Jeschke, G. 5=3618, Elastic diffraction of electrons
+Jespers, J. 5=8153, Images in photographic microreproduction Jessen, A. 5=10039, Chandler's period in sea level
Jeżewski, M. + 5=9712, Double hysteresis loop in BaTiO<sub>3</sub>
Jeżowska-Trzebiatowska, B. + 5=4416, Alkaline solutions
Jha, D. 5=4973, Radio waves reflected ionosphere
```

Jha, S. + 5=5545, Excited states of iodine-127 +Jha, S. 5=14905, Mössbauer effect in I127 Jhawar, D. S. + 5=15672, Point discharge +Jiang Shou-sheng. 5=6739, Internal friction in molybdenum +Jiang Shou-sheng. 5=9471, Dislocation internal friction in Mo Jin, Y.S. + 5=463, Mandelstam representation Jin, Y.S. + 5=2630, Regge-Khuri photoproduction Jin, Y.S. + 5=8281, Poles zeros and coupling constants +Jindo, H. 5=15682, Electromagnetic waves below 40 c/s +Jnanananda, S. 5=785, Cross-sections of v-rays +Jnanananda, S. 5=787, Cross-sections of v-rays + Jnanananda, S. 5=5586, Decay of Nd147 and Tb160 +Jnanananda, S. 5=14418, Neutron spectrum of Ra—Be +Jnanananda, S. 5=14498, Radioactive decay of Co58 Joachain, C. 5=14514, Scattering by nuclear potentials Joachain, C. 5=14515, Rearrangement collisions +Jobes, M. 5=5298, Search for fractionally charged particles +Jocković, M. 5=2866, Critical assemblies of NPY Jodogne, J. C. + 5=841, Scattering of α -particles on C^{12} +Joffrin, J. 5=6524, Ultrasonic waves in MgO: Fe2+ +Joffrin, J. 5=15042, Acoustic paramagnetic resonance +Jog, R. H. 5=9664, Measuring semiconducting films +Johannes, R. 5=1832, Light beam deflection Johansen, O. E. 5=15711, Spectrum of auroral electrons Johansen, O. E. 5=15'11, Spectrum of auroral electrons Johanson, F. + 5=15180, Stress relaxation in polymers. IV Johansson, A. 5=2595, H°, He³ quasifree e-p scattering +Johansson, I. 5=14600, CsI 6s, 6p and 6d levels +Johansson, K. 5=8564, $\frac{9}{2}$ * state in Tl²03 +Johansson, K. 5=11238, $\frac{9}{2}$ * state in Lu¹75 +Johansson, K. E. 5=3611, X-ray oscillation camera Johansson, S. A. E. 5=5702, De-excitation of fission fragments Johansson, S. A. E. 5=11384, Fission fragment y-radiation. II Johansson, T. 5=14354, Bubble density and velocity Johler, J. R. + 5=2267, Terrestrial radio wave fields +John, H. F. 5=12127, Metal crystal growth +John, N. F. 5=6359, Solution growth of semiconductor crystals John, P. T. 5=1283, Moisture adsorption in porous systems John, R. M. + 5=14612, He excitation energy transfer John, W. J. + 5=9217, Cellulose degradation John, W. J. + 5=12558, Damping of Indian timbers +Johns, H. E. 5=8574, Collimator efficiency. I Johns, M. W. + 5=8601, Decay of Ir¹⁹² +Johns, M. W. 5=8602, Decay of Ir¹⁹⁴ Johnson, B. + 5=15580, Garnet ferrites i.r. refractive index Johnson, B. C. + 5=7289, N.M.R. quadrupolar relaxation Johnson, C. C. + 5=3187, Thermionic emission from plasmas Johnson, C. H. + 5=6525, Medium-weight nuclei (p, n) reactions +Johnson, C. M. 5=13661, Quasi-passive satellite relay +Johnson, C. S., Jr. 5=5900, E.S.R. stilbene anion radical Johnson, C.S., Jr. 5=11592, N.M.R. in intramolecular reactions +Johnson, C. Y. 5=13321, Composition of the atmosphere +Johnson, C. Y. 5=13330, Constituents of upper atmosphere +Johnson, D. L. 5=6874, Superconductivity in La and La-Gd Johnson, E. + 5=432, Possible $J^P = \frac{3}{2} + \text{octet}$ Johnson, E. G., Jr. 5=1100, Plasma configurations +Johnson, E. G. T. 5=10342, Human ears and artificial ear Johnson, E.W. + 5=188. Position dependent electrical resistivity +Johnson, F.A. 5=6510, Lattice bands in Ge Johnson, F. M. 5=8064, Frequency multiplication of Nd laser Johnson, F. M. 5=14148, Laser excited by nuclear heat Johnson, G. R. A. + 5=7447, O₃ from O₂ by ionizing radiations +Johnson, H. H. 5=188, Position dependent electrical resistivity +Johnson, H. L. 5=10143, Photometry of C stars Johnson, H. R. 5=7665, Excitation of Na in solar photosphere +Johnson, H.S. 5=3084, H-D kinetic-isotope effect Johnson, I. + 5=6477, Rare earth-cadmium alloys Johnson, J. + 5=15298, Superconductivity of Mo₃Al₂C Johnson, J. D. + 5=6323, Forces between adsorbed atoms Johnson, J.E. 5=4065, Insulated-gate transistors +Johnson, J. F. 5=2164, Calorimetric studies +Johnson, J. F. 5=3317, Polyisobutene degradation in flow +Johnson, J. L. 5=9018, Stellarator hydromagnetic instability Johnson, J. L. 5=14745, Sellerator corrugation field Johnson, K. + 5=2589, Self-energy of electron Johnson, L. D. + 5=3600, Energy bands in PbTe Johnson, M. 5=7600, Eruptions in binary stars Johnson, M. D. + 5=1169, Ion—ion potentials in liquid metals +Johnson, O. E. 5=842, Scattering of α-particles from Na²³

Jha, S. 5=764, Course on nuclear spectroscopy

Johnson, O. W. 5=3762, Decoration of dislocations in rutile

Johnson, O.W. 5=1447, Diffusion of Li in rutile Johnson, P.D.+ 5=3116, Pulsed NaI and TH gas arcs

+Johnson, P. D. 5=11635, Ne-Hg glow discharge

Johnson, P. O. 5=13288, Ball lightning Johnson, Q. + 5=9339, Crystal structure of Li₁₅Ge₄

```
Johnson, R. A. + 5=1463, Energy of C in \alpha\text{-Fe} and V Johnson, R. A. 5=9423, Point defect calculations for Cu
 +Johnson, R. G. 5=13387, Low-energy auroral electrons
 +Johnson, R.H. 5=6678, Metal deformation during phase changes
 Johnson, R.R. 5=3121, Photo-ionization cross-section
  +Johnson, R. R. 5=11314-15, Nuclear symmetry energy. I-Π
  +Johnson, R. R. 5=11759, Instability of plasma column
 +Johnson, T. A. 5=12466, Strain range and fatigue life
Johnson, W. + 5=12550, Bending fatigue of ductile metals
+Johnson, W. C. 5=15676, Whistler echoes
Johnson, W. C., Jr. 5=334, Polarizing prism for vacuum u.v.
 +Johnson, W. G. 5=13325, Upper atmosphere observations
 +Johnson, W. H., Jr. 5=8780, Atomic masses of H1, Cl35, and Cl37
 +Johnston, A. R. 5=2350, Electron polarimeter techniques
 +Johnston, H. C. 5=928, Inelastic atomic collisions
+Johnston, I. D. S. 5=5780, Excitation of neutral atoms. I
 +Johnston, J. 5=15297, Superconducting critical temperatures
 +Johnston, L.H. 5=529, Mura electron accelerator. XI
+Johnston, T.L. 5=9562, Crack growth in Fe-3% Si
 Johnston, T.W. \pm 5=13544, Cyclotron harmonics at topside
 +Johnston, W. V. 5=6664, U alloy fission swelling
Johnstone, J. K. 5=14880, Melting point of silver
 Joiner, W. C. H. 5=6871, Superconductivity of Al and alloys
 Jolley, W. + 5=3858, Brittle fracture of 3.25% Si-Fe +Jolliffe, C. L. 5=8163, Human vision
 Jolly, R. K. 5=725, Nuclear structure in Te isotopes
 Jona, F. 5=9277, Ge vapour-solvent growth
 Jonáš, J. + 5=5904, Electron coupling of nuclear spins. VIII.
 +Jonathan, N. 5=7426, O + NO atmospheric chemiluminescence Jones, A. L. 5=10669, Optical fibres coupling, scatter
 Jones, A. R. 5=2575, Si junction detectors
 +Jones, B. D. 5=14441, K_2^{\circ} \to \pi^+ + \pi^- \text{ decay}
 Jones, B.E. + 5=8321, Dosimetry of mixed radiations
+Jones, C.E. 5=5060, Infrared transmitting glasses. II
 Jones, C. F. 5=10870, Subtraction in S-matrix
 +Jones, C. M. 5=11370, O^{18}(\alpha, p) reaction and F^{21} decay
 Jones, D.L. 5=13444, Earth-ionosphere cavity resonances
 +Jones, D. L. 5=13622, Paleomagnetism of ring complexes
 Jones, D.S. 5=4809, Diffraction of sound by disk
 Jones, D.S. 5=4954, Diffraction of h.f. e.m. wave by disk
 +Jones, D. T. L. 5=983, Force constant calculations. IX.
 Jones, D. W. + 5=6121, Oil backstreaming through vacuum trap Jones, E. D. 5=9879, V^{\rm SL} NMR and V_2O_3 susceptibility
 +Jones, E.S.O. 5=4493, Ionosphere collision frequency
 +Jones, E. S. O. 5=13513, Discoverer 36 radio scintillations
 Jones, F. C. 5=13685, Scattering of cosmic-ray electrons
Jones, F. L. + 5=9750, Photoelectric emission in He discharges
+Jones, G. 5=2601, Annihilation of positrons
 Jones, G. + 5=2966, Wave spectra of HCl and HBr
 Jones, G. A. + 5=5620, Reactions with analogue state resonances
 +Jones, G. A. 5=11318, Resonance in P^{31}(p, \gamma_0)S^{32}
+Jones, G. D. 5=5681, J dependence of (d, p) reactions
Jones, G. L. 5=7785, Fluctuation of dynamical variables
 Jones, G.O. + 5=9534, Solid Ar elastic waves
 +Jones, G.O. 5=9894, Solid A refractive index
+Jones, G. R. 5=2990, Rotational relaxation in CO _2 and N _2O +Jones, G. R. 5=3044, Relaxation in C _3H _8, CH _3CH _2CH _2 and C _2H _6
Jones, G. R. 5=7199, Surface dependence of ferromagnetic
relaxation

Jones, G. T. + 5=11918, Proton spin—lattice relaxation in aqueous
      ionic solutions
Jones, H.W. 5=181, Liquid nitrogen trap
Jones, J. M. 5=1118, Interaction in hot cathode discharge
Jones, J. M. + 5=6033, Coupling between plasma oscillations
Jones, J. M. + 5=15577, U oxide reflectivity
Jones, J. P. 5=12071, Adsorption of Cu on W
+Jones, J.R. 5=1279, Unsupported films of Ge
Jones, K. H. + 5=10031, \gamma-irradiated alkylbenzenes
+Jones, K. M. 5=12388, Graphite non-basal dislocations
+Jones, K.W. 5=816, Neutrons from N^{14}(d, n_p)O^{10}
+Jones, K.W. 5=835, Cross sections for O<sup>16</sup> reactions
+Jones, K.W. 5=2720, Spin parity of C<sup>15</sup>
+Jones, K.W. 5=2737, Parity of Be<sup>11</sup>
+Jones, K.W. 5=2832, d-Scattering by N<sup>14</sup> at 700-2100 keV
+Jones, K.W. 5=2845, New reaction Mg<sup>26</sup>(He<sup>4</sup>, He<sup>6</sup>)Mg<sup>24</sup>
+Jones, K.W. 5=8308, Circular slit geometry G-factor
                                     A 78a
```

```
+Jones, K. W. 5=11220, \gamma-Rays from low F<sup>18</sup> levels
 +Jones, L. 5=5847, B ^3\Pi_{0\mu}^+ state of iodine Jones, L. H. + 5=2999, Vibrational spectrum of Au(CN)<sub>4</sub>
Jones, L. H. 5=3419, Isotopic shifts of uranyl frequencies
+Jones, L. L. 5=2900, First-order density matrix for atoms +Jones, L.W. 5=567, p + p \rightarrow d +\pi^+ reactor
 +Jones, M.W. 5=9488, Stacking faults in gold
Jones, N.R. + 5=323, Interferometry of fringe shifts +Jones, N.R. 5=3132, Equilibrium of ionized Xe
 +Jones, N. R. 5=13922, Xe and Kr shock hugoniots
Jones, O.C. 5=298, Light modulation methods
 +Jones, R. G. 5=14135, N.M.R. sub-spectral analysis. I
 Jones, R. H. 5=14560, Neutron spectra
 Jones, R. L. + 5=15552, Excitation spectrum
Jones, T. H. + 5=6190, Polynuclear hydrocarbons phosphorescence
+Jones, T.W. 5=568, p+p \rightarrow d \times \pi^* at 990 MeV Jones, W. +5=12205, Charge distribution in Fe and Cr +Jones, W. D. 5=9003, Stroboscopic shutter for plasma oscillation
 +Jones, W. H. 5=6609, Vacancy generation in MgO
 Jones, W. H., Jr + 5=12999, Cl n. m. r. in FeCl2
Jones, W. J. + 5=3029, Raman spectra XVIII C.H.,
+Jones, W. J. 5=7408, Laser—fluorescence in anthracene
+Jongejans, B. 5=8473, K (725) in K*p interactions at 3 GeV/c
Jonker, G. H. 5=4012, Semiconducting BaTiO<sub>3</sub>
Jonscher, A.K. 5=1589, Transport of plasmas in semiconductors
Jonscher, A.K. 5=6815, Plasma effects in solids
Jonscher, A. K. 5=9660, Semiconductors at cryogenic temperatur
+Jönsson, C. 5=328, Fresnel zone plates
+Jönsson, C. 5=6400, Al, Cu and Ge inner potentials
Jönsson, C. + 5=11970, Mean inner potential of Be
 +Jonsson, E. 5=5723, Cross-section for thermal spectrum
       indicators
 +Jonsson, T. 5=15345, Semiconduction in uranium dioxide
 +Jonsson, V. K. 5=14785, Flow between rotating cylinders
Jopling, D. W. + 5=15122, Elastic moduli of films
 +Jopson, R. C. 5=11137, Photomultipliers at high altitudes
   Jopson, R. C. + 5=13101, M-shell fluorescence
Jorba, J.P. Perez y. See Perez y Jorba, J.P.
+Jordan, A.S. 5=6964, Single-carrier injection in silicon
 +Jordan, B. 5=11027, Nucleon-nucleon collisions
Jordan, T. F. 5=468, Multichannel scattering formalism
+Jordine, E. St. A. 5=1227, Expansion of crystals
Jørgensen, C. K. 5=885, Correlation energies in atoms
Jørgensen, C. K. + 5=903, Transitions in lanthanides
Jørgensen, C. K. + 5=11548, Tc[Re] hexahalide absorption
     spectra
Jørgensen, C. K. + 5=13057, Reflection spectra of lanthanides
Jørgensen, T. S. 5=15680, V. L. F. hiss
+Jortner, J. 5=1022, Excited electronic states of two polymers
+Jortner, J. 5=1585, Exciton states of crystalline neon
+Jortner, J. 5=3941, Excitons in molecular crystals
Jortner, J. + 5=6813, Triplet excitons
+Jortner, J. 5=9591, Hole mobility in anthracene
+Jortner, J. 5=11552, Orbitals in aromatic molecules
 +Jortner, J. 5=12577, Charge-transfer in crystalline anthracene
+Jortner, J. 5=12621, Excitons in anthracene crystals
Jose, P. D. 5=15887, Sun's motion and sunspots
+Joseph, A. S. 5=9262, Oriented growth of semiconductors I.
Joseph, D. D. 5=10375, Temperature distribution in conducting
Joseph, D. W. 5=14250, Generalized covariance
+Joseph, M. 5=4346, Fluorescent decay of CsI(Tl)
+Josephson, B., Jr. 5=7229, F19 spin—lattice relaxation in CaF2
 +Joshi, G. C. 5=10860, Continuation of partial-wave amplitude
+Joshi, M.D. 5=736, Decay of Pt<sup>197m</sup>
Joshi, M.L.+ 5=12393, Diffusion imperfections in Si
Joshi, M. S. + 5=6346, Prism faces of natural quartz
Joshi, M. S. + 5=6346, Prism laces of natural quartz Joshi, M. S. + 5=6347, Rhombohedral faces of cultured quartz Joshi, M. S. + 5=12084, 'Tadpoles' on quartz Joshi, M. V. 5=10423, Transistor blocking oscillators +Joshi, S. K. 5=6503, Phonon dispersion in metals +Josien, M. L. 5=8843, Molecular vibrations in solutions +Josien, M. L. 5=11576, Phenol solution complexes
Joos, H. + 5=2445, Classical statistical model Jordan, P. F. + 5=7719, Double transition differential equation
Jordan, T. F. 5=2307, Observables in quantum optics
+Jørgensen, C. K. 5=3920, 2p \rightarrow 3d transitions in NiO. II
+Jorgensen, R. 5=2135, Sonograph recording techniques
+Jortner, J. 5=3083, Guest-host interactions
Joseph, D. D. 5=3287, Flow in pipes
+Joshi, M.C. 5=2783, Decay of Ce143
```

Joshi, S. K. 5=3674, Phonon frequencies of Na Josien, M. L. 5=3014, Valence bond vibration of NH group oss, J. 5=7486, Backscattering of ice—water mixtures Jøssang, T. 5=1603, Sondheimer oscillations Jøssang, T. + 5=12371, Energy of dislocation configuration Jøssang, T. + 5=12407, Stacking fault energies Jost, K.-H. 5=3630, Structure of polyphosphates. Jost, K. H. 5=3639, Structure of (III, V) oxides 10st, K. H. 5=3639, Structure of (III, v) oxides +Jouanin, C. 5=3666, Scattering of neutrons by point defects +Jousseaume, C. 5=5695, Slow-neutron fission of Pu²³⁹ +Jousset, J. C. 5=9386, Polygonization of pure U +Jousset, J. C. 5=12655, U e-irradiation +Joussot-Dubien, J. 5=12872, Photomagnetism of fluorescein in boric acid fouty, R. + 5=6389, Monocrystalline metallic whiskers fouvet, B. 5=14403, Neutrino scattering and photon structure Jovanovich, J. V. 5=2675, K_1^0 – K_2^0 Mass difference Joy, H. W. 5=1484, F center in alkali-halides +Joyce, B. A. 5=9299, Epitaxial Si on quartz +Joyce, B. A. 5=f2139, Epitaxial Si layers +Joyce, G. S. 5=12883, Ising model +Joyce, T. A. 5=8872, P-type delayed fluorescence +Józefowicz, E. T. 5=2866, Critical assemblies of NPY +Józefowicz, K. 5=2866, Critical assemblies of NPY Jóźwicki, R. 5=8089, Ray tracing +Jnahananda, S. 5=8620, Scattering of 1.12 MeV gamma +Jucys, A. 5=14566, One electron outside shell +Jucys, A. 5=14581, Spectrum of d' and d'l atoms +Juday, R. D. 5=10083, Auroral radiation configuration +Judd, B. R. 5=903, Transitions in lanthanides fudd, B.R. 5=2996, Axial absorption spectrum of CoCs₃Cl₅ Judge, R. J. = 2596, Axial absorption spectrum of CoCs₃Cl₅ Judge, D. 5=10752, Position and momentum eigenfunctions Judge, R. J. R. + 5=11175, Muon flux at various angles Judge, R. J. R. + 5=14518, Theory of nuclear reactions Juenker, D. W. 5=10703, Refractive index from reflectance +Jugaku, J. 5=10168, Stratospheric rotation of Jupiter Juhasz, C. + 5=6932, Electrical properties of InSb films

Juenker, D. W. 5=10703, Refractive index from reflectance +Jugaku, J. 5=10168, Stratospheric rotation of Jupiter Juhasz, C. + 5=6932, Electrical properties of InSb films Julian, C. L. 5=6577, Heat conduction in rare-gas crystals +Julien, J. 5=11329, Co resonance parameters for n Juliot, C+ 5=4145, Secondary emission statistics +Junes, A. C., Jr. 5=12416, Energies of undissociated jogs +Jung, B. 5=11236, Er and Ho decay +Jung, G. 5=10732, Layers from photographic emulsions Jung, H. + 5=14336, Fast pulse-height discriminator Jung, P. 5=7949, Magnetic field sweep generator Junger, F. A. + 5=5013, Pb-salt infrared lasers Junger, M. C. + 5=7839, Tuning resonant sound radiators +Jungerman, J. A. 5=732, Energy levels of Gd¹⁵⁶ +Jungner, H. 5=14536, Cl^{35,37}(p, γ) from 800 keV to 2050 keV

+Junod, P. 5=7335, Optical absorption of Eu chalcogenides
+Jura, G. 5=12644, Temperature coefficient of resistance of Bi
+Jurak, A. 5=8499, High-energy nuclear jets
Juretschke, H. J. 5=3963, Metallic field effect
+Jurewicz. A. 5=631. K*-p scattering
Juric, M. K. 5=11380, Ternary fission of U²³⁵ by u
+Jurine, H. 5=12074, Thallium borate glasses
+Jursa, A. S. 5=2973, Isotope shift of N₂ absorption bands
+Jursa, A. S. 5=2974, Absorption spectrum of N₂
+Jursa, A. S. 5=8919, N₂ afterglow absorption
Just, K. 5=2048, Gravity problems
Just, K. 5=5166, Photons without photons

Just, K. 5=5166, Photons without photons
Just, K. 5=13708, Baryon conservation in stars
+Justice, J.-C. 5=11902, Conductance of alkali halides. X.

+Juulman, C.O.L. 5=8114, Time photoelectric spectrography

+Kabalkina, S. S. 5=6454, Structure of gallium and indium +Kabanov, A. A. 5=9685, Electrical conductivity in permanganates Kabe, S. + 5=2801, π* From C nuclei Kabler, M. N. 5=4355, Alkali halide luminescence +Kachan, L. A. 5=14979, Synthesis and properties of Na₂O.2MnO.2SiO₂ +Kachhava, C. M. 5=6235, Ionic bonding of alkali halides +Kachhava, C. M. 5=6236, Interatomic forces in ionic crystals

+Kachhava, C. M. 5=5230, Interatomic forces in folic crystals Kachhava, C. M. + 5=11958, Cohesion of diatomic crystals Kachinskii, V. N. 5=10430, D.C. amplifier Kachinskii, V. N. 5=14018, D.C. amplifier with superconducting

achinskii, V.N. 5=14018, D.C. amplifier with superconduct modulator

Kacser, C. 5=8284, Triangle singularities and resonance poles Kacser, C. + 5=11103, $K_{\rm e4}$ decays

Kaczér, J. + 5=1744, Magnetization in hematite +Kaczmarek, F. 5=9711, Piezoelectric vibrations of BaTiO. +Kaczmarek, W. 5=2866, Critical assemblies of NPY +Kaczmarek, W. 5=8439, Thermal neutron spectrum

Kadanoff, L. P. + 5=3987, U.S. attenuation in superconductors Kaderka, M. + 5=1853, Absorption of NaCl crystals +Kadigrobov, A. M. 5=12866, Spectrum of magnetic materials +Kadinova, A.S. 5=168, Heat conductivity for hollow cylinder Kadomtsev, B. B. + 5=4943, Negative-energy e.m. waves +Kaekina, T. M. 5=2092, Scattering of Rayleigh waves Kaesberg, P. 5=3447, Particulate materials +Kaftanov, V. 5=5320, Neutrino interactions +Kaftanov, V. 5=8441, Intermediate boson in ν interactions +Kaftanov, V. S. 5=10942, Registration in spark chamber +Kaftanov, V. S. 5=14355, Measuring photographs of tracks Kagan, A. 5=1515, Plastic deformation Kagan, M. B. + 5=15406, Photoelectric p-n junctions Kagan, M. S. + 5=4130, Field emission from Ge +Kagan, V. D. 5=13025, Rayleigh scattering of light during sound instability +Kagan, Yu. 5=11981, Resonance nuclear scattering Kagan, Yu. + 5=12271, Neutron scattering in crystals +Kagan, Yu. M. 5=5930, Positive column electron distribution Kagan, Yu. M. + 5=5936, Inert gas excitation. IV +Kagan, Yu. M. 5=8748, Ionic and atomic lines Kagan, Yu. M. + 5=11642, Properties of column discharge +Kaganov, M. I. 5=7195, Skin effect in ferromagnetic metals Kaganov, M. I. + 5=1520, Electron scattering by centers Kaganov, M. N. + 5=12866, Spectrum of magnetic materials +Kaganovich, R. I. 5=6160, Hg—electrolyte boundary adsorption +Kaganovskii, Yu.S. 5=1310, Mechanism and growth of holes +Kahan, T. 5=10478, Reciprocity in electrodynamics +Kahana, S. 5=3959, Quasi-positronium in metals Kahl, G. D. + 5=14200, Deviation errors of interferograms +Kahl, G. D. 5=15267, Resistance in exploding wires +Kahle, A. B. 5=13239, High-altitude water vapor +Kahle, W. 5=3587, CdS and CdSe layers Kahn, D. 5=14757, Wave propagation in ionized gases +Kahn, M. 5=12338, W and Re diffusion in W Kahn, W. K. + 5=14096, Discussion on resonators Kahneman, D. 5=8170, Temporal summation Kai, J. + 5=15631, Sensitivity in mass spectrometry +Kainz, J. J. 5=5039, Radiance of luminous cylinder +Kainz, J. J. 5=8111, Phase changes in visible and i.r. Kaiser, R. + 5=15320, Optical and electrical studies of GaSb +Kaiser, R. H. 5=7394, Injection luminescence in GaAs +Kaiser, T. R. 5=10178, Radio observations of meteors +Kaiser, W. 5=2282, Prism reflectors for masers +Kaiser, W. 5=4300, Optical absorption of CdS-CdSe Kaiser, W. + 5=5016, Single nodes of Nd-glass lasers Kaiser, W. + 5=11555, Vibrational interaction in liquids Kaiser, W.C. + 5=2509, Light output of plastic scintillators Kajfosz, J. + 5=10983, Gamma-ray spectrometer +Kajfosz, J. 5=10989, Gamma-ray spectrometer Kajfosz, J. 5=11015, Annihilation photons in scintillators Kajikawa, R. + 5=2695, Pulse height telemetry +Kajikawa, R. 5=5462, Elastic and inelastic p-He⁴ collisions Kajiwara, S. + 5=6289, Martensite transformation of Cu–Al +Kakigi, S. 5=2814, Be⁶ and B^{10,11} (p, α) and (d, α) Kakinoki, J. 5=12073, Structure of 'glassy carbon' Kalashnikov, A. G. 5=4505, Geomagnetic field variations Kalashnikov, N. P. + 5=373, Scattering of particles +Kalashnikov, S.G. 5=1702, Photoconductivity in Cu-doped Ge +Kalashnikov, V.P. 5=3968, Thermomagnetic phenomena Kalashnikov, V.P. 5=1554, Phonon drag in electron drift Kalashnikov, V.P. 5=4013, Reluctance of Bi Kalashnikov, V. P. 5=14897, Polarization of nuclear spins Kalashnikov, V. P. 5=15311, Nonlinear galvanomagnetic effect +Kalbach, R. M. 5=8362, Quest for quarks +Kalbach, R. M. 5=14361, Trajectories in spark chamber +Kalbfleisch, G. R. 5=643, S= -2 barvon systems Kalbfleisch, G. R. + 5=5426, Decay modes of the $\eta 2\pi$ Kalbfleisch, H. 5=1800, Ho ethylsulphate E.S.R. Kalebin, S. M. + 5=11052, Neutron chopper +Kalecinski, J. 5=4416, Alkaline solutions +Kalenichenko, V.V. 5=4591, Velocity curves of binaries. I Kaler, J. B. 5=10147, He and H spectra in planetary nebulae Kalikstein, K. + 5=245, Ferrite scattering of e.m. waves +Kalinin, V. M. 5=4200, Magnetostriction in Si iron Kalinin, V. N. 5=10107, Equations of motion of earth satellite

Kalinkin, B. N. + 5=851, Complete combination of nuclei

```
Kalinkina, I. N. 5=10384, Resistance of carbon thermometers Kalinkina, I. N. 5=13988, Resistance of carbon thermometers Kalinkov, M. P. + 5=10185, Coronal observation comparison Kalinovich, D. F. + 5=3727, Diffusion of C in Ta Kalishevich, G. I. + 5=6548, Thermodynamic properties of CoSi
Kaliski, S. + 5=102, Spherical wave in elastic-visco-plastic body
 Kalisz, J. 5=9710, BaTiO3 dielectric permittivity
Kalitsin, N.S. 5=46, Relativistic non-inertial systems
Kalitsin, N.S. 5=56, Rotation in Einstein's theory
Kalizin, N. 5=4545, Equations of celestial mechanics
Källen, G. 5=5168, Elementary particle physics
 Källén, G. + 5=10767, Feynman integrals in space-time
 Kallio, A. 5=8505, Nucleon-nucleon interaction on Fermi surface
 +Kallio, A. 5=11217, Separation me thod in O<sup>18</sup> and Ne<sup>20</sup> Kallmann, H. + 5=9743, Photovoltages in Ge layers
 Kallmann, H. 5=9968, Processes in excited ZnS
Kalmus, G. E. + 5=627, \pi^* in K^* \rightarrow \pi^* \pi^\circ \pi^\circ decay
 +Kalmus, G. E. 5=11122, Lambda-hyperon beta decay
Kalmykov, A. A. + 5=1131, Interaction of plasmoids with field Kalmykov, A. A. + 5=11717, Energy, mass spectra of plasma
Kalmykov, A. A. + 5=11755, Instability in plasmoid
Kalmykov. G.1. 5=96. Solution diffusion equations
Kalning, I. 5=9216, Sintering processes
Kaloni, P. N. 5=9074, Flow of visco-elastic liquid
Kaloni, P. N. 5=14784, Elastico-viscous fluid
Kalotas, T. + 5=5456, Classification of 3N states
 +Kalter, H. 5=5010, Strong injection in GaAs lasers
 Kalvenas, S. + 5=15323, Ge conductivity in electrical field
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Kalyana Raman, R. S. + 5=3624, Ba structure in Cu<sub>2</sub>In—NI<sub>2</sub>In Kalynovych, D. F. + 5=3729, Mobility of C in W
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+Kalyuzhnaya, G. A. 5=12731, n-GaP electric, photoelectric
Kamada, K. + 5=3786, Displacement threshold in Cu
Kamada, O. 5=7887, Target temperature in solar furnace
+Kamada, O. 5=13989, Large solar furnace
+Kamaeva, L.A. 5=857, Products of fission of U235 and Pu239
+Kamatani, A. 5=1041, Arc quenching reactions in SF. I.
Kamb, B. 5=1372, Ice II
Kamber, F. 5=7715, Propositional calculus
+Kamber, K. T. 5=6667, Young's modulus apparatus
Kambersky, V. 5=7113, Uniaxial anisotropy in films
+Kamei, H. 5=7824, Frequency response of mechanical systems
Kamel, R. + 5=6772, Creep of polycrystalline zinc
Kamenskaya, T. S. 5=9313, Structure amplitude computing
Kamenskii, A. N. + 5=15075, Interdiffusion in polymers
+Kamentsev, I. E. 5=15104, Growth and colour in quartz
+Kami, H. 5=6650, Coloration of Na-silicate glass
 +Kami, H. 5=15109, Multi-colors in glass plate
Kamieniecki, E. 5=1591, Hot carriers in microplasmas +Kamimura, H. 5=9911, Ni²+ electron structure in Mg[Zn]F<sub>2</sub> Kaminker, D. M. + 5=5571, Longitudinal polarization of \beta-rays Kaminker, D. M. + 5=14496, \beta-decay of P³², In¹¹⁴, Pr¹⁴², Ho¹⁶⁶
      and Re188
Kaminow, I. P. 5=10594, Modulation of optical masers
 Kaminskii, A. A. + 5=15594, Radiation from Nd3+ in CaF<sub>2</sub>
Kaminskii, D. L. 5=10488, Atomic beam focussing
+Kaminskii, V. A. 5=8783, Column for isotope separation
Kamiya, K. 5=14193, Masking u.v. spectrum
 +Kamiya, M. 5=10461, Magnetic flux density
Kamiya, Y. + 5=9293, Structure of coated diamonds
Kamiya, Y. + 5=12151, Topography of synthetic diamonds
+Kamke, D. 5=2770, Disintegration of C12 16.11 MeV level
+Kammash, T. 5=11760, Plasma electrostatic instabilities
Kammuri, T. 5=14462, Deformed nuclei
Kamper, R. A. 5=6853, Paramagnetism and superconductivity
Kamynin, L. I. 5=7876, Theory of heat conduction
+Kamyshan, V. V. 5=2255, Field distribution in resonator
+Kan, S V. 5=15447, Recording of hysteresis loops
+Kan, T. 5=2639, Structure in π -p charge exchange
+Kanada, H. 5=11100, Pion-pion resonance
Kanaev, A. A. + 5=12463, Transverse stresses in wire-drawing
+Kanarek, I. 5=8663, \pi^-+ Xe \to \pi^-+ \pi^0+ Xe reaction +Kanarek, T. 5=8453, \pi^--N interactions at 9 BeV Kanasugi, H. + 5=2458, Theory of weak interactions
Kanavets, V. P. + 5=2609, p-p elastic scattering
 +Kanaya, K. 5=14085, Focusing of ion beam device
 Kanazawa, A. 5=11060, Bootstrap model
 +Kanazawa, A. 5=14302, PS-PS scattering
 Kancheli, O. V. + 5=5220, Theory of weak interactions
```

+Kancheli, O. V. 5=8275, Inelastic process amplitudes +Kanda, F. A. 5=6489, Crystal structures of Sr₆Mg₂₃, SrMg₄, Ba6Mg23 and BaLi4 +Kandare, S. 5=7365, Optical properties of Ag films Kandaurova, G. S. + 5=7119, Co domain structure +Kandaurova, G. S. 5=15441, Angular dependence of coercive for Kandel, R.J. 5=4380, Methane-tritium system. II Kandilarov, B. + 5=15405, Photovoltaic effect in CdS-CdSe +Kane, J. A. 5=13490, Rocket in quiet D region Kane, J. V. 5=8617, Computer languages for nuclear physics +Kane, J. V. 5=11213, Energy levels of He⁴ Kaneda, E. + 5=15712, Photometry of photographs of aurora +Kaneda, Y. 5=12776, Germanium and silicon Esaki diodes Kaneko, T. 5=2665, Decays of K-mesons, hyperons Kanematsu, K. 5=9229, Fe-Ge phase diagram Kaner, E. A. + 5=6823, Electromagnetic excitations in metals Kanert, O. 5=7287, Dislocation influence on n.m.r. Kănev, V.+ 5=1711, Photoemission of caesium-rubidium-antimonide Kanevskii, I. N. 5=13953, Focusing of ultrasonic waves +Kang, K. 5=10859, Partial-wave dispersion relations Kanki, T.+ 5=612.Pion-pion scattering +Kanne, H. 5=3153, Plasma column in magnetic field +Kannelaud, J. 5=2289, Hanle effect in He-Ne laser Kano, K. + 5=9694, Forward transients in p-n diodes Kano, Y. 5=67, Probability for blackbody radiation Kano, Y. 5=2216, Statistical theory of e.m. field +Kano, Y. 5=12837, Deterioration of solar cells Kant, A. + 5=3074, Dissociation. II. Ti2, Cr2, Mn2 and CO2 +Kantarges, G. T. 5=2104, Oscillating air pressures Kantele, J. + 5=5324, γ -sensitive β -detectors 5=5324 Kantele, J. + 5=11270, Decay of Eu157 and Tm174 Kantola, M. + 5=9212, Miscibility for KBr-KI system +Kantor, M. A. 5=9707, Electrical resistance of ferrocene +Kanuga, K. K. 5=15663, Lunar influence on precipitation Kanzig, W. + 5=9136, Para and ferroelectricity of KCl with (O+1 Kao, K. C. 5=10554, Quasi-optical waveguides Kao, S. K. + 5=4464, Jet stream meso-scale turbulence Kao, S. K. 5=10052, Turbulence and diffusion in atmosphere Kao, S. R. + 5=3869, Anisotropy of oriented polymers +Kao, Y. C. 5=12052, Deposition of silica films Kao Yi-Han+ 5=1594, Cyclotron resonance in Bi-Sb alloy Kapany, N.S. + 5=307, Image synthesis +Kapasi, K. B. 5=13534, Spread-F and solar activity Kapchinskii, I. M. + 5=14370, Lenses for linear accelerators. I +Kapfhammer, W. 5=15090, Defects in n-irradiated LiF +Kapin, A. T. 5=9014, Plasma particle current instability Kapitonova, N. P. 5=15465, Cations in Li galloferrites Kaplan, D. E. + 5=12964, Ferromagnetic resonance +Kaplan, L. M. 5=2660, $\eta^0\to 3\pi$ Decay Kaplan, M. + 5=11606, Spin densities in free radicals Kaplan, R. 5=15251, Cyclotron resonance Kaplan, S. A. 5=2237, MHD turbulent convection Kaplan, S. A. + 5=13692, Polytrope with magnetic field +Kaplan, S. N. 5=8407, Polarization in scattering at 725 MeV Kaplan, T.A. 5=4197, Aspherical spin density Kaplon, M. F. + 5=8502, Rigidity and cosmic-ray charge +Kaplon, M. F. 5=11153, He³ primary cosmic rays Kaplow, R. + 5=3437, Correlations in lead near melting Kaplyanskii, A.A. 5=1556, Spectral transitions in crystals Kapoor, R.K. + 5=15663, Lunar influence on precipitation Kapoor, S. S. + 5=8689, 4 MeV n-fission of U235 +Kapustin, A. P. 5=3334, US parameters of $C_{\rm q7}H_{\rm R4}O_{\rm 2}$ Kapustin, A. P. + 5=3338, Liquids in electric fields Kar, K. C. 5=13853, Lorentz invariance and relativistic Hamiltonian Kar, K. C. 5=13854, Vectors in relativity +Karabin, M. 5=15893, Solar radio flux and ionospheric disturbances Karachentsev, I. D. 5=7547, Cosmology and galactic diameters Karadzhev, K. V. + 5=2740, F^{19} nuclear levels +Karal, F. C., Jr. 5=10553, Surface wave structures +Karamanova, Z. 5=1284, Adsorption surfaces +Karapandžić, M. 5=14484, Calorimeter dosimeter for liquids Karapetyan, G.O. + 5=12427, Color centers in sodium aluminosilicate glasses Karapetyan, G. O. + 5=14972, E. P. R. study of glass crystallizati Kararinov, Yu. M. + 5=570, Spin correlation in pp scattering Karashima, S. 5=3745, Dislocation dipoles in α - brass +Karasik, V. R. 5=15300, Nb-Zr magnets Karavaev, V. V. 5=7865, Energy in thermal radiation Karayianis, N. 5=11418, Hund's rule. II

```
+Karaziya, R. 5=5739, Atomic e.s. interaction operator
+Karban, O. 5=8629, Proton polarization angular distribution
Karbowiak, A. E 5=4964, Review of guided waves
Karbowiak, A. E. 5=4967, Microwave propagation in waveguides
Kard, P. G. 5=2345, Dielectric multilayer coatings
Kardashev, G.A. 5=122, Theory of acoustic diffusion
Kardashev, N.S. 5=4583, Sources of cosmic radio emission
Karel, F. + 5=9939, Luminescence of AlN
+Karetnikov, I. A. 5=1698. Photocurrent of cadmium sulfide
+Karev, V.N. 5=1394, Strontium beryllide
Karger, F. 5=6123, Discharge suppressor tubes and Pirani gauges
Kargin, V. A. + 5=9284, Crystallization of isotactic polystyrene
+Kargin, V. A. 5=1288, Temperature changes in polymers
Karimov, Yu. S. + 5=7183. Dibenzene Cr iodide antiferromagnetism
Kariss, Ya. E. + 5=15602, Luminescence of Nd3+ in PnMoO.
Karle, I. L. + 5=1400, Structure of C_{21}H_{35}N_3
Karle, I. L. + 5=12195, Structure of C_8F_{12}
+Karle, J. 5=1400, Structure of C<sub>21</sub>H<sub>85</sub>N<sub>3</sub>
+Karle, J. 5=12195, Structure of C.F.
+Karlov, N. V. 5=10584, 3 cm solid state maser
+Karlov, N. V. 5=12975, E. S. R. of Cr ions in CdWO<sub>4</sub>
Karlov, N. V. 5=14049, Magnetoresistance at He temperatures
Karlova, E. K. + 5=10584, 3 cm solid state maser
Karlsson, E. + 5 = 8564, \frac{9}{2}* state in Tl<sup>20°</sup>
Karlsson, E. + 5 = 11238, \frac{9}{4}* state in Lu<sup>175</sup>
+Karlsson, S. K. F. 5 = 1164, Stability of Couette motion
 +Karmilov, A. G. 5=10749, Angle marker for URS-501
X-ray apparatus
Karnaukhova, N. M. 5=3411, Evaporation of ZrC
Karnaukhov, V.A. + 5=2772, 2p Decay of Ne<sup>16</sup> +Karnaukhov, V.A. 5=579, Proton decay nuclei
 Karnaukhov, V. A. + 5=8581, Proton decay, Z > 50
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 Karni, Z. 5=7745, Equation of motion in mechanics
 Karnovskii, M. I. + 5=13936, Acoustic field of cylindrical radiator
Karo, D. 5=4870, Correction of wattmeters
 Karolus, A. + 5=8073, Ultrasonic cell as a light modulator
 +Karosene, A. V. 5=5154, Clebsch-Gordan coefficients
 Karosene, A. V. + 5=5155, 6;-coefficients
+Karosene, A. V. 5=13817, Calculation of 9j-coefficients
 +Karosene, A. V. 5=13818, Theory of angular momentum
 Karosiene, A. + 5=5740-1, Atomic e. s. interaction operator
 Karp, S. N. + 5=10553. Surface wave structures
 +Karpinski, J. Z. 5=2570, Radiation detectors, electron multipliers
 Karplus, M. + 5=3078, Van Der Waals forces
 +Karplus, M. 5=8896, Quadrupole coupling in molecules
 Karplus, R. 5=2006, Experiments with science education
 Karpman, G. 5=11003, N production of \pi pairs
 +Karpman, V.I. 5=3206, Waves in a turbulent plasma
+Karpman, V.I. 5=3207, Theory of plasma turbulence
 +Karpov, V. L. 5=15520, N. M. R. in polyisobutylene
 Karpushkina, E.I. + 5=2899, Diffusion in excited levels of H
 +Karras, H. 5=281, Activated laser crystals. II
Karras, T. W. + 5=8925, Breakdown in parabolic field
 +Karshon, U. 5=5449, A-p scattering
 +Kartaschoff, P. 5=10616, H maser and Cs beam
 +Kartchner, A. D. 5=8717, Control rod
 +Kartheuser, E. 5=13031, Ion polarizability dispersion in alkali
      halides
 +Kartheuser, E. 5=13877, Thermodynamics of diatomic chain
+Kartheuser, E. 5=6990, Electronic polarisability of crystals
 +Kartheuser, E. 5=7298, Refractivity of ionic crystals
 +Kartmazov, G. N. 5=1329, Properties of Cr whiskers
 Karule, E. M. + 5=923, Collisions of electrons with Li
 +Karule, E. M. 5=5800, Electron scattering by Li atoms
 Karyagina, Z.V. + 5=4652, Stellar magnitude of Sun
 Karzas, W. J. + 5=13666, Nuclear explosions in space
 Karzhavin, Yu. A. + 5=10937, Bubble chamber photographs
 Karzmark, C. J. + 5=2529, LiF thermoluminescence dosimetry
 Karzmark, C. J. 5=2544, Secondary electron emission monitor
 Kasahara, T. + 5=3283, Rheology of asphalt
 Kasai, T. 5=15673, Lightning current frequency
 +Kasak, A. 5=3883, Alloys of W-Ta-Mo-Nb
 Kasatkin, A.P. 5=3570, Shock wave growth of NaBrO<sub>3</sub> +Kasatkin, V.G. 5=14000, Liquid He level indicator
†Kaschl, G. T. 5=2779, \beta-Ray spectra of In^{114}, K^{42}, Rb^{86}, Sr^{90}, and Y^{90} +Kaschl, G. Th. 5=8586, Beta decay of Pr^{144}
 Kaschlu, F. 5=2649, \pi-D Dispersion relations
 Kaschluhn, F. + 5=8283, Diagrams with crossed lines
 +Kash, S.W. 5=3069, NH from shock-heated NH<sub>3</sub>
+Kasha, M. 5=8820, O<sub>2</sub> chemiluminescence spectrum
```

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Kashaev, S. Kh. G. + 5=5898, n-Paraffin spin-lattice relaxation
+Kashaev, S. Kh. G. 5=14133. Spin-echo spectrometer
Kashcheev, B. N. 5=15438. Thermodynamics of Heisenberg
     ferromagnet. II
Kashcheev, V. N. K. 5=1725-6, Helicoidal ferromagnetics. III-IV
Kashcheev.V.N. 5=9781, Ferromagnetics with helicoidal
structure
Kashcheev, V. N. 5=9788, Impure ferromagnetics
Kashcheev, V. N. 5=12893, Impure ferromagnetics, II
Kashiwabara, H. 5=3076, Decay of free radicals of Alkyl-type
Kashtan, M.S. 5=14690, Discharge tube
Kashy, E. + 5=2525, Preparation of Ge detectors +Kashy, E. 5=5637, Rh<sup>103</sup> (p, d) Rh<sup>103</sup> and Rh<sup>103</sup> (p, t) Rh<sup>101</sup> Kask, N. E. + 5=1804, E.P.R. of Nd<sup>3+</sup>in CaF<sub>2</sub>
Kasner, W. H. + 5=8957, Electron-ion recombination in nitrogen
Kasper, J.S. + 5=3629, InSb at high pressures
Kasper, J. V. V. + 5=10617, I photodissociation laser +Kassner, J. L., Jr 5=9186, Homogeneous nucleation rates
+Kastal'skii, A. A. 5=12281, p-n Junction u. s. generation
+Kastha, G. S. 5=11550, Hydrogen bonding in aminopyridines
+Kastha, G. S. 5=11898, Relaxation of nitrobenzene
+Kastha, G.S. 5=14858, Dielectric loss in polar solutions
+Kastha, G.S. 5=14859, Absorption of microwaves in liquids. I
Kastler, A. 5=10325, Ultrasonics from coherent light beams
Kastler, A. 5=10326, Light beam u.s. generation in dielectrics
Kastler, A. 5=11454, Optical "pumping"
Kastler, A. 5=13938, U.S. generation by light superposition
+Kästner, S. 5=3803, Measuring Poisson's ratio
Kastner, S. O. 5=13233, H diffusion in thermosphere
Kastrup, H. A. 5=2476, Dilatation group at high energies
Kas'yanov, V. + 5=10992, Bremsstrahlung of electrons on atom
+Kasymov, A. Kh. 5=12864, Energy spectrum of Sn and In
Kataoka, S. + 5=14024, Magnetoresistance analyser
+Katayama, T. 5=15451, Fe, Ni—Fe and Ni film domains
Katayama, Y. + 5=10789, Structure, symmetry of elementary
     particles. II
Katayama, Y. 5=10790, Symmetry of elementary particles
+Katayama, Y. 5=14431, Meson-nucleon coupling
+Katcoff, S. 5=757, Decay scheme of Rb85
Kath, U. + 5=10341, Sound absorption of chairs
Katilene, E. R. + 5=15342, Electrical conductivity of Tl<sub>2</sub>Te Katilyus, R. 5=14234, Scattering in magnetic field
 Katkov, V. L. 5=15660, Local wind theory
Kato, M. 5=14306, Two-channel S-matrix
+Kato, S. 5=2801, \pi^+ From C nuclei
Kato, S. + 5=11360, Polarization of protons
 Kato, S. 5=15741, Theory of irregularities
 +Kato, T. 5=14655, Structure of organic compounds
 +Kato, T. 5=15093, Impurities in silicon films
 Kato, Y. + 5=15693, Upper atmosphere radar sounding
 +Kato, Y. 5=13608, Geomagnetic micropulsations
 +Katoh, T. 5=5550, Rotation and vibration in Gd<sup>154</sup>
Katon, J. E. + 5=14651, Spectra of Biphenyl and Biphenyl-d-10
Kats, I. Ia. 5=10269, Stability of stochastic systems
Kats, M. L. + 5=15564, E. P. R. in Ni-activated crystals
 +Kats, M. L. 5=15589, Electro-X-ray luminescence
+Katsanos, A. 5=805, Cross-section in Mn^{55} (p, \alpha)Cr<sup>52</sup>
 +Katsnel'son, A. A. 5=1244, Size effect in Fe-W alloy
 +Katsnel'son, A. A. 5=15083, Plastic deformation of copper
+Katsufrakis, J. 5=7541, Ion gyrofrequency observed in satellites
 +Katsufrakis, J. 5=13449, Triggered v. l. f. from ionosphere
+Katsuki, A. 5=4170, Susceptibility of transition metals VII
Katsuraki, H. + 5=4196, Fe<sub>1.76</sub> Ge single crystal
+Katz, A. 5=2726, 1p shell levels, wave functions
 Katz, J. 5=10245, Local theory of gravitation
Katz, J. 5=13851, "Local" theory of gravitation
+Katz, J. L. 5=6813, Triplet excitons
Katz, M.S. 5=2358, Brief flash brightness
 Katz, R. 5=4703, Physics building at Kansas University
Katz, R. + 5=5285, Width of monopole tracks in emulsion
 Katz, S. 5=6010, Plasma-electromagnetic radiation interaction
 +Katz, S. M. 5=11892, Spectra of multicomponent systems
 +Katzenschein, J. 5=6012, Scattering of light from plasma
Katzin, L. I. 5=4319, Rotatory dispersion of quartz
Katzin, L. I. + 5=9193, Rare earth covalent binding
 +Katzmann, M. 5=10642, Ruby laser crystals
+Kauder, L. N. 5=4377, Isotope exchange in \rm N_2O_3 Kaufman, A. N. + 5=3272, Magnetic susceptibility of gases
Kaufman, B. + 5=8199, Unitary symmetry of oscillators
Kaufman, F. + 5=7417, Rate of O + 20_2 \rightarrow O_3 + O_2 + Kaufman, F. 5=11419, Ground-state O, N, and H
Kaufman, J. J. 5=966, C,O, systems
```

```
Kaufman, J. J. 5=5911, Ionization potentials of free radicals and
     molecules. VII
 +Kaufman, J. J. 5=14644, LCAO-MO-SCF Calculations on
     borazines
+Kaufman, L. 5=6296, High-pressure \gamma-loop in Fe-Si system
Kaufman, M. G. 5=2122, Electrosonic delay line
+Kaufmann, H. 5=8450, Exchange in \pi^+ p \rightarrow p \pi^+\pi^0 at 4 GeV/c Kaufmann, J. 5=6202, N. M. R. of Mo<sup>95</sup> and Mo<sup>97</sup> in liquids
Kaufmann, S. 5=3870, Radiation sensitivity of polymers
Kaula, W. M. 5=13228, Tidal dissipation and orbital evolution
+Kaun, K. H. 5=8600, Lu<sup>1741</sup> electron capture decay
+Kaun, K. H. 5=14481, E1 transitions in Er<sup>167</sup>
Kauranen, P. 5=13316, Sb isotopes in atmosphere
+Kaus, P. 5=10881, Regge pole parameters
+Kaushika, N. D. 5=13592, H and equatorial electrojet
+Kavaloski, C.D. 5=2812, Nuclear structure form the (p, t) reaction
+Kavalyauskas, Ya. F. 5=15543, CdTe spectrum under pressure
Kavangh, R. W. + 5=5576, Energy levels in K<sup>37</sup> and Ar<sup>37</sup>
Kavečanský, V. 5=12894, Surface magnetization measurements
+Kawabata, K. 5=15821, Galaxy evolution diagram
+Kawabe, H. 5=3728, Diffusion in Ti-Ag
+Kawada, T. 5=15063, Thermal conductivity of \mathrm{UO_2} and \mathrm{Al_2O_3}
+Kawakatus, H. 5=14085, Focusing of ion beam device
+Kawakatsu, H. 5=15451, Fe, Ni-Fe and Ni film domains
Kawaguchi, M. 5=5208, Bethe-Salpeter equation
Kawaguchi, M. 5=5374, Determination of party of bosons
+Kawaguchi, M. 5=11639, Instability in column
Kawai, M. + 5=11311, Scattering of p by nuclei
Kawai, T. + 5=9258, Cross-link formation in polyethylene
+Kawai, T. 5=9669, Hall effect in CdS
Kawaji, S. + 5=3933, Gallium arsenide surface states
Kawaji, S. 5=4032, Surface conductance of InSb
Kawaji, S. + 5=4038, Field-effect in Si surfaces
+Kawaji, S. 5=12617, Surface states in cleaved Si
Kawakita, K. + 5=6264, Equation of state for powder compression
+Kawakubo, T. 5=1680, Curie point of BaTiO<sub>3</sub>
+Kawamura, H. 5=1593, Cyclotron resonance in germanium
+Kawamura, M. 5=8601, Decay of Ir<sup>192</sup>
+Kawamura, T. 5=3758, Imperfections in Si
Kawarabayashi, K. 5=424, Vector, \omega and \varphi mesons
Kawarabayashi, K. + 5=10815, Leptonic decay coupling constants
+Kawarada, H. 5=677, Oscillations of heavy nuclei
+Kawarada, H. 5=2725, Generalized seniority scheme
Kawasaki, K. + 5=3273, Transport coefficients of gases. I
+Kawasaki, S. 5=2431, Boson levels and composite model. II
Kawasaki, T.+ 5=12722, Piezoresistance of CdSb
+Kawasaki, Y. 5=10009, Proton transfer in complexes
Kawashima, N. 5=1099, Plasma density measurement
Kawashima, N. + 5=7539, Solar plasma and geomagnetic field Kawashima, N. + 5=14727, Plasma in magnetic cavity
+Kawashima, N. 5=15766, Geomagnetic field and plasma stream
Kawatra, M. P. 5=80, Many-body system
Kawski, A. + 5=13132, Luminescence of coumarin derivations
Kawski, A. + 5=13133, Fluorescein—Al luminophores
Kawski, V. A. 5=975, Spectrum of 4-amino phthalimide
Kay, E. 5=1749, Magnetic properties of NiFe
+Kay, E. 5=14083, Sputtering in magnetron
Kay, I. 5=10655, Limitations on lenses as reflectors
Kay, L. 5=5811, Emission lines from a Van de Graaff beam
Kay, M. I. + 5=9329, Structure of hydroxy apatite
+Kay, M. I. 5=9332, Neutron diffraction at Puerto Rico
+Kay, R. E. 5=5365, Neutron absorption by hydrogen
+Kay, S. M. 5=7351, Optical properties of mica
Kayama, K. 5=8822, O<sub>3</sub> spin dipole—dipole interaction
Kaye, G. + 5=2756, Transition energies of Hg198, 19
+Kazachkov, V.I. 5=14331, Transistor trigger for decatrons
+Kazachkovskii, O. D. 5=8713, Fast reactors with Na cooling
+Kazai, L. 5=8593, Co56 /-forbidden transition
+Kazak, N. B. 5=13603, PC 1 geomagnetic oscillations
+Kazakov, V. G. 5=15448, Elastic stresses, f. m. films
Kazakov, Yu. N. 5=12177, Device for resticking crystals
Kazandjiev, K. 5=117, Mangetostrictive vibrator
Kazanskii, V.S. + 5=14016, Dielectric constant measurement
+Kazantsev, A. P. 5=7051, Thermal emission of refractory
+Kazarinov, R. F. 5=4353, p-n-n* Recombination radiation Kazarinov, V. E. + 5=9254, Ion adsorption on platinum
Kazavchinskii, Ya. Z. 5=1151, Equation of state of gas
+Kazes, I. 5=15816, Spectra of radio sources
Kazimi, S. M. A. + 5=40, Plane-stress problems
+Kazmirowski, A. 5=10611, He and Ne in Jaser
 +Kazumata, Y. 5=3786, Displacement threshold in Cu
```

```
Kazuno, M. 5=768, Isobar decay products
+Kazuno, M. 5=2798, High-energy nuclear interactions
+Kê, T.S. 5=6726, Fe-Mn dislocation damping peaks
+Kearsley, E. A. 5=3241, Thermodynamics of fluids
Keating, P. N. 5=12815, Photovoltaic effect in photoconductors
+Keay, C.S. 5=13753, Meteors increase in 1963
Kebarle, P. + 5=13169, Ion mass spectrometry. I
Kebarle, P. + 5=15611, Heats of hydration, solvation
Keck, G. + 5=1938, \beta-activity in the atmosphere
Keck, G. 5=13185, Analysis of precipitation samples
Keck, J. 5=2101, Magnetic annular shock tube
+Kedem, D. 5=14329, Pulse height defect
Kedzie, R.W. + 5=4234, Paramagnetic resonance in CaWO<sub>4</sub>:Cr<sup>5</sup>*
+Keech, G. L. 5=8313, Summing in scintillation spectrometers
+Keefe, D. 5=11026, N isobar production by 7.1GeV p
+Keegan, H. J. 5=13788, Spectral properties of plants
Keeler, W. J. + 5=8603, Decay of Au198
Keen, B. E. + 5=7903, Acoustic impedance of liquid He-3
+Keesom, P. H. 5=6551, Specific heat of Pb and alloys
+Keffer, C. J. 5=12004, Polymorphism in HI
+Kehoe, B. 5=640, A-p scattering cross-sections
Kehoe, B. 5=2686, Sigma leptonic decays
+Kehoe, B. 5=2687, Masses of \Sigma , \Sigma^{\circ} hyperons +Kehoe, B. 5=5450, Leptonic decays of charged \Sigma
+Keib, G. 5=6450, X-ray diffraction study of CuTiF<sub>8</sub>. 4H<sub>2</sub>O
Keilhacker, M. 5=14746, \theta-pinch with probe +Keilhacker, M. 5=14749, Plasma drift in thetatron
Keilin, V. E. 5=15636, Adsorption gas analyzer
+Keilis-Borok, V. I. 5=7462, Love waves and upper mantle
Keimakh, R. Ya. + 5=10725, Automatic spectropolarimeter
+Keinharz, M. 5=8441, Intermediate boson in \nu interactions
Keith, H. D. 5=3565, Habits of polyethylene crystals
Keith, H. D. + 5=3742, Dislocations in polymers
+Keith, R.W. 5=143, Differential thresholds for frequency
+Kekelidze, G. P. 5=7363, Dislocations and optical absorption of Si
+Kekhlibarov, T. 5=302, Development in photographic photometry
+Kekhlibarov, T. 5=7488, Spectrograph for solar radiation
Kekk, Kh. + 5=10956, Energy of ions in cyclotron
Kelbg, G. 5=1072, Microfield in plasma
Keldysh, L. V. 5=2056, Non-equilibrium processes
Keldysh, L. V. 5=5955, Ionization in strong e. m. wave
+Keldysh, L. V. 5=12602, GaAs energy level spectrum
Keldysh, L. V. + 5=15228, Instability of semimetallic state
Kelemen, F. 5=9399, Diffusivity and surface emissivity
Kelin, M. L + 5=1215, Vapor-pressure ratio of solids. II
+Keller, A. 5=9258, Cross-link formation in polyethylene
+Keller, D. L. 5=11947, Volatility of PuO2
+Keller, D.V. 5=287, Spiking of ruby laser
+Keller, F. J. 5=9957, KI V<sub>x</sub> centre luminescence
+Keller, H. 5=4362, Optical properties of Se-Te
Keller, H. + 5=15340, Electrical, optical properties of Te
 +Keller, J. B. 5=3413, Bloch waves in crystals
Keller, K. B. 5=2196, Linear gate and stretcher
Keller, K. B. + 5=4144, Photomultiplier gating system
Kellermann, K.I. 5=4604, Non-thermal radio sources
Kellett, E. A. + 5=6511, Vibration of carbon atoms in graphite
Kelley, P. L. + 5=211, Photoelectron counting and e.m. field
 +Kellington, C. M. 5=10642, Ruby laser crystals
 +Kellner, G. 5=5298, Search for fractionally charged particles
 +Kellner, G. 5=5400, Resonance production by \pi + p
Kellogg, P. J. 5=1078, Waves in plasma
Kellogg, P. J. 5=9008, Two-stream instability
Kellogg, R. E. + 5=1882, Triplet state lifetimes in solids
+Kellogg, R. E. 5=4337, Intermolecular energy transfer. II
Kellogg, R. E. + 5=4338, Intermolecular energy transfer. III
Kellogg, R. E. 5=4339, Intermolecular energy transfer. IV
 +Kelly, A. 5=9553, Elastic moduli of graphite
 +Kelly, C.E. 5=12734, Conduction by electrons in Ge
 Kelly, C. E. 5=14163, Interactions, injection lasers
Kelly, D. D. + 5=6318, Antimony evaporator
+Kelly, E. F. 5=13939, Thin-film piezoelectric transducers
Kelly, E. M. 5=14006, Static electric and magnetic fields
 Kelly, F. J. + 5=7866, Thermal emissivity of cavities
Kelly, H. P. 5=886, Perturbation theory of atoms +Kelly, J. C. 5=319, Sensitizing of far u.v. plates +Kelly, J. D. 5=14659, Methyl chloride, bromide molecular
      properties
 +Kelly, M. V. 5=1173, Viscosity and relaxation in glycerol
Kelly, P.S. 5=2908, Analytical field functions for N and O Kelly, R. + 5=12317, Release processes targets
```

Physics Abstracts 1965 - Part I (Jan. - June) +Kelly, W. H. 5=724, Decay of 121 Te. 121mTe Kel'man, V. M. + 5=882, Large dispersion mass-spectrometer Kel'man, V. M. + 5=14571, Mass-spectrometer with prisms Kelsch, J. J. + 5=9503. Fission-tracks in metal films +Kelsey, C. A. 5=11040, Polarized n scattering from He +Kelso, J. R. 5=7417, Rate of $O + 20_0 \rightarrow O_0 + O_0$ +Kelson, I. 5=713, Hartree-Fock applied to Ne²⁰, Mg²⁴ **5**Kelson, I. 5=714, Hartree-Fock applied to Ne²⁰ **6**Kelson, I. 5=5693, Fission of symmetric liquid drop Kelton, G. + 5=4462, Wind velocity measurements +Keltonic, F. J. 5=15652, Acoustic field spatial correlation in sea Kemoklidze, M. P. 5=7977. Neutron scattering in superconductors Kemp, L.A.W. + 5=2497, Guarded-field cavity ionization chamber +Kemp, N. H. 5=11807, Heat transfer in monatomic gases +Kemp, R. F. 5=11676, Synthesized plasma streams +Kemper, A. 5=5590, Electron capture decay of 195 +Kempf, R. J. 5=1000, N.M.R. of cyanomethylene Kemplay, J. R. 5=2511, Automatic sample changers Kemplay, J. R. 5=8377, Sample changer for scintillation counter Kemplay, J. R. 5=14488, Gamma scintillation counter Kempter, C. P. 5=1242, Investigations of RuC and OsC Kempter, C. P. 5=9520, Compressibilities of elements +Kenan, R.P. 5=4199, Sublattice magnetizations of magnetite +Kendall, B. 5=10981, γ -p Interactions, 0. 5-4. 8 BeV +Kendall, B. 5=11019, N_{33}^* (1238), ρ° production Kendall, K. 5=11842, Orifice flow +Kendall, P. 5=9150, Electron transport in liquid alloy Kendall, P.C. + 5=1956, Drift in F2 region +Kendall. P. C. 5=13519, Electron density in F region +Kendall, P. C. 5=13541, Perturbation of model F2-region Kendig, P. M. + 5=7852, Transducer for ocean operation Keneshea, F. J. + 5=15076, Cd2+ diffusion in KCl Keng, E. Y. H. 5=4469, Photophoretic effects in stratosphere Kenjo, T.+ 5=11637, Moving striations in discharge tubes +Kennard, M.S. 5=3349, Luminescence decay in solutions +Kennard, O. 5=1346, Diffraction symbols Kennedy, D. P. + 5=15364, Diffused junction transistors Kennedy, E. F. + 5=11216, Fluorescence of B¹¹ 2.13MeV state +Kennedy, J.C. 5=3878, Viscosity of vitreous silica + Kennedy, K. 5=15298, Superconductivity of Mo₃Al₂C Kennedy, M. 5=7884, Temperature contours round fires +Kennedy, M. J. 5=9757, Magnetic electron multiplier +Kennedy, P. M. 5=10129, Radial velocities of stars Kennedy, S. W. + 5=12018, TINO, transformation mechanisms Kennett, T. J. + 5=719, Decay of Br⁶²
Kennett, T. J. + 5=8313, Summing in scintillation spectrometers +Kenney, D. J. 5=2207, Magnetic moment in spinning rotors Kenney, J. E. + 5=4685, Radio astronomy radiometer +Kenney, J. F. 5=11162, Cosmic-ray equator +Kenney, R. W. 5=610, p polarization in π^* -p scattering +Kenney, R. W. 5=2632, Photopion production from H +Kenney, R. W. 5=2646, π⁵p Elastic scattering +Kenney, R. W. 5=11075, Photopion production from deuterium +Kenney, R. W. 5=14530, Analyzing power of carbon +Kenney, V. P. 5=5399, Absorption in π⁻ + p → π⁻ + π + p +Kenny, D. J. 5=7958, Damping for suspended rotor Kenschaft, R. P. + 5=19, Integral scattering equation +Kenschitzki, C. H. von. 5=13596, Geomagnetic storms Kent, D.W. 5=8645, Scattering of 3.3 MeV polarized neutrons Kent. R. A. + 5=6221. High temperature mass spectroscopy. V-VI Kenty, C. 5=5935, Discharge and afterglows in N₂ +Kenyon, W. J. 5=8728, Mass spectrometer for Ar analysis +Keraly, F. X. L. 5=11563, Spectra of 1.1-dimethyl-hydrazine-+Keren, J. 5=5321, Neutrino interactions Kerimov, B. K. + 5=553, Neutrino-lepton interactions +Kerimov, B.K. 5=2585, Damping in weak interactions +Kerker, M. 5=6207, Distribution for colloidal particles +Kerl, R. J. 5=2286, Laser oscillation of CO Kermode, M. W. 5=803, Impulse calculations for C¹²(p, pα)Be⁸ Kern, C. W. + 5=8896, Quadrupole coupling in molecules +Kern, F. 5=1723, Magnetic behaviour of (DNA) Kern, J. 5=486, Miniaturisation of Geiger counters +Kern, J. 5=8393, Double focussing β -spectrometer +Kern, J. 5=11235, Energy levels in Ho166 +Kern, R. 5=6453, Crystallographic data for $\rm H_4Fe\,(CN)_6$ +Kern, R. S. 5=8717, Control rod +Kernan, A. 5=627, π^+ in $K^+ \rightarrow \pi^+ \pi^\circ \pi^\circ$ decay +Kernan, W. 5=630, K-P charge exchange +Kerns, Q. A. 5=2541, Scanning system for spark chambers

Kerr, D. R. 5=15393, Glass-silicon interfaces Kerr, W. M. M. 5=8287. Nuclear data using computer +Kerry, J. P. 5=8323, Decimal scaling circuit Kershaw, D. 5=5140, Theory of hidden variables +Kerth, L. T. 5=11026, N isobar production by 7.1GeV p + Kerwin, L. 5=2690, Study of D by e-analyser +Kerwin, L. 5=3131, Collisions of excited O2+ and N2 +Kerzreho, P. 5=10952, 4 MeV accelerator output Kesamanly, F. P. + 5=6936, Impurity zone in n-InP crystals Kesamanly, F. P. + 5=12814, Thermo-e. m. f. in p-ZnSnAs₂ Kesava Rao, P.S. + 5=13453, Fading of ionospheric drift Kessel, S. 5=13836, Elasticity theory of Cosserat-continuum +Kessel, W. 5=5280, Pulse shape discriminator Kessenikh, A. V. + 5=4241, Dynamic polarization in polyethylenes +Kessenikh, A. V. 5=7210. Spin-lattice relaxation of radicals Kessler, A. + 5=7004, Loss relaxation of NaCl crystals Kessler, D. 5=11350, Σm production by K^- in nuclei Kessler, J. 5=5792-3, Small-angle electron—atom scattering Kessler, J. + 5=8392, Electron energy analyser Kessler, J. + 5=10493, Five-electrode filter lens Kessler, J. + 5=11464, Electron scattering on Hg Kessler, K. G. + 5=10671, Zeeman filter Kessler, P. 5=5423, Calculation of reactions with N*3/2 +Kessler, W. 5=11683, Electron pressure in plasmas +Kester, F. L. 5=3476, Modifications of ThC₂ +Kestigian, M. 5=4234, Paramagnetic resonance in CaWO₄:Cr⁵* +Kestigian, M. 5=4354, Fluorescence of MnF, Kestin, J. + 5=3258, Viscosity of air +Kestin, J. 5=4826, Transfer of heat from plate +Kestner, N. R. 5=11552, Orbitals in aromatic molecules +Keszthelyi, L. 5=742, Nuclear decay +Ketelaar, J. A. 5=3357, Conductance of AgNO, mixtures +Ketskemety, I. 5=6184, Solutions absorption, fluorescence spectra +Ketskemety, I. 5=9121, Fluorescent solutions Ketterson, J. B. + 5=128, Ultrasonic specimen holder +Ketterson, J. B. 5=12720, Shubnikov-de Haas effect in Bi Kettunen, P. 5=12505, Fe fatigue limit +Keuhner, J. 5=855, Cross-sections for $C^{12}(C^{12}, \alpha)Ne^{20}$ +Keur, E. 5=8729, Gas pipette for mass spectrometry +Keutel, M. 5=3867, Decoration of dislocations in Ni Kever, H. 5=10483, Particle in magnetic and space charge fields +Kevorkian, H. K. 5=9407, Self-diffusion in anthracene Key, A. W. + 5=689. Short-range hyperfragments Key, A. W. + 5=14461, The study of short-range hyperfragments— the production +Keves, R. 5=8305, Computer in a nuclear laboratory +Keyes, R. J. 5=2297, Electron-beam-pulsed GaAs laser Keynes, R.D. + 5=1991, Electric organ Keys, J. G. 5=13381, Aurorae from nuclear tests Keys, J. G. 5=15710, Auroral radar echoes +Keys, L. K. 5=9253, Adsorption of oxygen +Khabibullaev, P. K. 5=6173, Organic mixture u. s. propagation Khachaturyan, A. G. 5=4156, Magnetic structure in ground state +Khachaturyan, M. N. 5=10923, 12 Channel amplitude analyzer +Khaenko, B. V. 5=3769, Mosaic blocks in Fe_xC in steel +Khaidarov, T. 5=821, Cross-section of neutrons Khaikin, M.S. + 5=1561, Bismuth conductivity electrons +Khaikin, M. S. 5=12612, Fermi surface in In Khalatnikov, I. M. 5=10246, Gravitation equations Khalfin, V. B. 5=11641, Electron energy in discharge +Khaldin, N. N. 5=14080, Fast vacuum slide gate Khambaty, M. B. + 5=9722, Thermoelectric cooling semi-Khan, A. A. 5=3297, Radial distribution functions of Kr +Khan, A. M. 5=10253, Time dilation by Mössbauer effect Khan, A. M. + 5=13193, Thermal conductivity of rock Khan, A. U. + 5=8820, O_2 chemiluminescence spectrum +Khan, G. H. 5=8409, p-p forward scattering at 1.7 GeV/c+Khan, H. A. 5=8955, Ionization of mercury +Khan, J. M. 5=9892, Proton channeling and X-rays +Khan, Q. H. 5=568, $p+p\to d\times \pi^*$ at 990 MeV Kharakhorin, F. F. + 5=15315, Semiconducting $A_2^{\ \ IB}^{\ \ IV}C_3^{\ \ VI}$ -type compounds +Khare, S. P. 5=8942, Recombination of ions and electrons +Kharitonov, A.V. 5=4652, Stellar magnitude of Sun +Kharitonov, E. V. 5=1792, E. P. R. in BaTiO₃ +Kharitonov, Yu. I. 5=5510, n-p interaction in heavy nuclei +Kharkevich, G. I. 5=5571, Longitudinal polarization of β -rays +Kharkevich, G. I. 5=14496, β -decay of P^{32} , In^{114} , Pr^{142} , Ho^{166} and Re^{188} +Khar'kov, E.I. 5=3324, Diffusion of Se in liquid Sn

+Kerns, Q. A. 5=4141, C-70045A Photomultiplier

+Khar'kov, E.I. 5=14846, Mobility of impurities in liquid Sn

```
+Khar'kov, Ye.I. 5=3323, Transfer of Ag in Pb and Co in Sn+Kharlamov, S.P. 5=2631, Neutral \pi-mesons+Kharlamov, S.P. 5=5384, \gamma-production of \piKharlamova, E.I. 5=2034, Motion of a body
Kharlamova, T.E. + 5=4055, Characteristics of SiC p-n junctions
+Khastgir, S. R. 5=4972, Magneto-ionic wave equations
 +Khastgir, S.R. 5=10571, Magnetoionic components of radio waves
Khatkevich, A. G. 5=13912, Elastic waves
+Khavricheva, V. P. 5=9737, Stable n-type thermoelements
+Khavtasi, L. G. 5=13054, Reflection spectrum of InSb
+Kheifets, S. A. 5=14405, Radiative effects in e-e collisions
+Khimich, I.V. 5=10862, g-Plane in Schroedinger theory
Khirnyi, Yu. M. + 5=14040, Recharging electrostatic generator
Khizhnyakov, V. V. 5=14900, Nuclear polarizability near
      Mössbauer line
Khlevnyuk, A. T. 5=13064, Speerva of Cu, Pb activated KCl Khodakov, G. S. 5=10016, Liquid dissociation by surfaces
+Khodakov, V. A. 5=8711, High temperature reactor
Khodchenkov, A. N. + 5=14615, Atomic scattering factors for
      electrons
Khodosevich, P. K. + 5=12832, Se photoconductivity +Khoi, L. D. 5=9815, Quenching of Bloch walls
+Khokhanashvili, O.G. 5=15506, E.P.R. spectra of CaF2
+Khokhlov, S. F. 5=3301, Diffraction by liquids
Kholin, S. A. 5=3866, Non-stationary kinetic equation
Kholmogorov, V. E. + 5=11604, Reduction of phthalocyanines by Na
+Kholuyanov, G. F. 5=1874, Recombination radiation in SiC
+Kholuyanov, G. F. 5=13126, Electroluminescence and photo-
      luminescence
+Khomenko, V. I. 5=2347, Experiment with zone plate Khorana, B. M. + 5=14005, Bose-Einstein condensation
Khorguani, V. G. 5=15665, Trapping of cloud particles
+Khotkevych, V. H. 5=15278, Electrical conductivity of Fe-50% Ni
+Khozov, G. V. 5=15308, Relaxation times in semiconductors
+Khriplovich, I. B. 5=461, Gauge invariance
+Khristov, L. 5=8410, p-p scattering from 2 to 10 GeV
Khromov, V. V. + 5=8714, Effect of geometry of a reactor
Khromov, A. V. + 5=10459, Induction gaussmeter
Khromykh, A. M. 5=5150, Spin in Lobachevskii space
+Khropov, M.S. 5=10935, 200-l Bubble chamber
+Khrushchev, B.I. 5=2839, α-Scattering by B
Khrustalev, A. F. 5=167, Heat conduction for plane layer
Khudyakova, L. N. + 5=5124, Hard component from X-ray tube
Khukhryanskii, Yu. P. 5=14914, Solubility of In in Ge
+Khukhryanskii, Yu. P. 5=15095, Dislocations in Ge films
Khulelidze, D. E. + 5=726, Isomer Te<sup>ll5m</sup>
+Khurana, C. S. 5=5505, l-forbidden M1 transitions
+Khurgin, B. 5=14903, Mössbauer effect in Dy161
Khuri, N. N. + 5=8263, Cross-section at high energies
Khui i, N.N. + 5=14297, Forward-scattering amplitude
+Khvorostenko, V. I. 5=2553, Linear electron accelerator +Kibble, T. W. B. 5=10793, Global conservation laws
Kichenassamy, S. 5=10249, Special relativity
Kidd, P.W. 5=7049, Emission characteristics of UC
+Kidder, R. E. 5=270, Coupled-mode laser oscillation +Kidron, N. 5=5443, Y_1* production by p+p Kiefer, J. H. + 5=13143, Recombination of oxygen atoms
Kiefer, J. W. 5=13631, Lunar return trajectories
Kieffer, J. + 5=14585, Continuous spectra
Kiefhaber, E. 5=8430, Neutron spectra for H2O
+Kiel, R. E. 5=9031, Free molecule orifice flow
Kielich, S. 5=8148, Molecular light scattering theory
Kiemle, H. + 5=12878, Magnetic susceptibilities of rubies
+Kienle, P. 5=9195, Hyperfine fields in Er
 +Kienle, P. 5=14904, Isomer shift on Eu<sup>151</sup>
Kiepenheuer, K.O. 5=7558, Domeless Coudé refractor
Kiepenheuer, K. O. + 5=7560, Balloon solar observatory
Kierkegaard, P. + 5=3611, X-ray oscillation camera
Kierkegaard, P. + 5=15021, Crystal structure of AgMoO<sub>2</sub>PO<sub>4</sub>
Kierkegaard, P. 5=15056, Thermal expansions of \text{MoO}_3 and \text{V}_2\text{O}_5
Kierspe, W. + 5=1428, Thermal conductivity of metals
+Kiessler, G. 5=6210, Quasibinary system UCo<sub>2</sub>—UAl<sub>2</sub>
+Kifune, T. 5=2801, \pi^* From C nuclei Kihara, M. + 5=11295, Deuterons from irradiated C Kihara, T. + 5=9081, Forces on particles in a liquid
Kihlberg, A. 5=2404, Degrees of freedom of elementary particles
+Kihlberg, A. 5=8223, Internal and space-time symmetries
+Kiker, W.E. 5=8687, Cf<sup>252</sup> fission fragments
+Kikiani, B.I. 5=2911, Charge exchange of protons
Kikkawa, K. 5=11101, Momentum transfer of \rho mass in \pi + N \rightarrow \rho + N
Kikoin, I.K. + 5=1687, Photopiezoelectric effect in semiconductors
```

```
Kikoin, L. K. + 5=7392, Ge recombination radiation quenching
 Kikuchi, C. + 5=7257, Spin resonance of SnO<sub>2</sub>: V
 +Kikuchi, C. 5=7258, Superhyperfine structure in SnO<sub>2</sub>: V<sup>4+</sup>
                  5=7259, E.S.R. and E.N.D.O.R. of CdTe: Mn<sup>2+</sup>
 Kikuchi, H. 5=11696, Cerenkov radiation plasma
+Kikuchi, K. 5=1917, γ-radiolysis of cyclohexane
+Kikuchi, K. 5=5462, Elastic and inelastic p-He<sup>4</sup> collisions
Kikuchi, M. + 5=4070, EFE effect in sogicon
+Kikuchi, R. 5=6914, Measurements in two-carrier structures +Kikuchi, Y. 5=7840, Ultrasonic amplifier of CdS +Kikugawa, M. 5=5406, Effects of f^{\circ} in \pi-N scattering
 +Kilb, R. W. 5=14748, Low-density theta pinch
+Kilcher, P. 5=5592, Decay of Hg<sup>190</sup>
+Kilfoyle, B. P. 5=13364, O I 6300 A airglow Kilimov, A. P. + 5=14326, Plastic scintillators
 Kilian, P. 5=11391, Two dimensional neutron diffusion
 Kilin, S. F. + 5=1193, Transfer of excitation energy in solutions
Kilin, S.F. + 5=7413, \alpha, \beta ratio of plastic scintillators +Killick, D. E. 5=2285, Oscillation in ring laser
Killpatrick, D. H. 5=3469, Phase diagrams for Nb<sub>3</sub>In and Nb<sub>3</sub>Bi
 Killpatrick, D. H. 5=9282, Synthesis of Mo<sub>3</sub>Sn
Kilmister, C. W. + 5=4724, Motion in classical mechanics
+Kilpatrick, J. E. 5=3395, Thermodynamics of dimethoxymethane
+Kilpatrick, J. E. 5=9171, Thermodynamics of acetonitrile
Kim, C. C. + 5=794, Elastic scattering of protons
+Kim, C. D. 5=9292, Growth of As<sub>2</sub>O<sub>3</sub> on GaAs
 +Kim, C. D. 5=11987, Solid solubility in GaSb-GaAs
Kim, C.O. 5=540, Nuclear interactions at \sim 10^{12} eV Kim, H.C. + 5=835, Cross sections for O^{16} reactions
Kim, J.S. + 5=4485, Auroral absorption at low latitude Kim, J.S. + 5=15708, Auroral arc over Alaska
 +Kim Hi San. 5=10986, Scintillation (n, y)-detector
 +Kim Hi San. 5=11046, Scintillation detector
Kim, J. K. 5=11112, K^- p interaction Kim, Y. E. 5=8548, Nb<sup>94</sup> low-lying states +Kim, Y. S. 5=2660, \eta^0 \rightarrow 3\pi Decay
+Kim, Y.S. 5=2664, Su (3) and nonleptonic K-meson Kim, Y.S. 5=14265, Beta-decay coupling
Kim, Y.S. 5=14353, Analysis of particle tracks +Kim, Y.W. 5=9843, LiF e.s.r. study
 Kimata, M. + 5=9674, Ge grain boundary currents
Kimber, G. M. + 5=4790, Silica windows for shock tubes
 +Kimel, S. 5=2965, HCl and DCl spectra in an Ar matrix
 +Kimmel, R. M. 5=4331, Birefringence in polymers. I
 Kimura, H. + 5=1690, Thermoelectric power of Pd-Ag
 Kimura, H. + 5=2184, Micro-element resistors
 +Kimura, H. 5=9885, IR absorption in semiconductors
 +Kimura, H. 5=12409, Comment on paper by Cotterill and Doyam
+Kimura, H. 5=13171, Soret coefficients of electrolytes
 +Kimura, I. 5=15717, Rocket observation of ionosphere
+Kimura, M. 5=7933, Flame temperature in m.h.d. generator
 Kimura, M. 5=7934, Flame temperature in m.h.d. generator
 +Kimura, T. 5=5033, Demodulation of maser beam
 Kimura, T. 5=13866, Derivation of gravitational potential
+Kimura, Y. 5=2801, \pi^* From C nuclei
Kimura, Y. + 5=11348, 3-3 resonance in nucleus
Kinbara, A. + 5=15274, Au films resistance decay
+Kindermann, M. R. 5=9301, Patterns from cold-worked metal
       foils
 +Kindig, N. B. 5=15230, Band structure of CdS
 +Kindlmann, P. J. 5=4998, Relaxation of Ar laser levels
 Kinell, P.O. + 5=15498, E.S.R. of \gamma-irradiated dextran
 +King, A.B. 5=3015, Ionization probabilities of aromatic
       molecules
 +King, A. J. 5=6489, Crystal structures of Sr<sub>6</sub>Mg<sub>23</sub>, SrMg<sub>4</sub>,
       Ba<sub>6</sub>Mg<sub>23</sub> and BaLi<sub>4</sub>
 King, A. P. + 5=2206, Electrostatic torque magnetometer
 King, E. + 5=12650, Pu, Np, U resistivity variation
 King, G. A. M. + 5=13516, Analysing F-region with overlays
 King, G. A. M. 5=15709, Aurora and night-E layer
 King, G. W. + 5=6749, Yield-point phenomenon in Mo King, H. W. + 5=3608, Double scanning diffractometry
 King, J. I. F. 5=2328, Band absorption model
+King, M. J. 5=4944, Sommerfeld e. m. wave excitation
  +King, N. M. 5=11027, Nucleon—nucleon collisions
 King, P.G.R. 5=269, Lasers and navigation
 +King, R. B. 5=11431, Oscillator strengths of elements
 King, R.C. + 5=4842, Combustion and formation heats of Al_aC_3
 King, R.E. + 5=12488, Damping in prestressed concrete
 +King, W. J. 5=2521, Junction counters
King, W.S. + 5=1139, Solutions for rotating flows
 King-Hele, D. G. 5=1939, Upper-atmosphere density
```

Kingsley, J. D. + 5=7331, Spectroscopy of MnO3- in Ca halophosphates Kingston, A. E. 5=8778, Inert-gas interatomic potentials Kingston, R. H. + 5=14093, Electromagnetic mode mixing +Kinney, J. A. S. 5=5116, Yellow-blue sensitivity in vision +Kinney, J. D. 5=8954, Ionization cross-section of Li +Kino, G.S. 5=3165, Radiation from plasma oscillations +Kino, G.S. 5=3215, Cyclotron resonances in Hg discharge +Kinoshita, N. 5=12990, P³¹ doped Si spin relaxation +Kinoshita, T. 5=8263, Cross-section at high energies +Kinoshita, T. 5=14297, Forward-scattering amplitude +Kinosita, K. 5=7341, Ellipsometry of glass surfaces +Kinson, J. B. 5=5421, Evidence for $(K\pi\pi)$ resonance +Kinson, J. B. 5=11119, YY production +Kionuma, S. 5=1521, Plastic yielding in ice Kiosse, G. A. + 5=12248, Structure of antimonyl tartrates +Kip, A. F. 5=6825, Cyclotron resonance in Al Kip, A. F. 5=15250, Cyclotron resonance in solids +Kippenhahn, R. 5=7574-5, Stellar evolution, I-II +Kirby, E. M. 5=4294, I.R. spectra of germanate glasses Kirby, G. H. 5=3434, Polarization of spectrum of NO_2 Kircheva, P. + 5=4334, Polyethylene i. r. spectra Kirchhoff, W. H. + 5=11567, Ionic electron energies +Kirdo, I. V. 5=9241, Self-cleaning of metals +Kirenskii, L. V. 5=12929, Domains in deformed Ni Kirgintsev, A. N. 5=3328. Thermodynamics of ternary solutions Kirgintsev, A.N. + 5=6382, Impurity capture in growth of KNO₃ +Kirichenko, G.S. 5=4933, Two-beam ion instability +Kirichenko, V. N. 5=6108, Diffusion coefficient of Ra A atoms +Kirichenko, V. N. 5=9057, Decay product diffusion Kirichenko, Yu. A. + 5=1429, Thermal properties of polymers +Kirillov, L. A. 5=15589, Electro-X-ray luminescence Kirillov, V. A. + 5=2347, Experiment with zone plate +Kirillov-Ugryumov, V. G. 5=14428, π and μ me son separation Kirillova, L. + 5=8410, p-p scattering from 2 to 10 GeV Kirillova, M. M. + 5=7369, Optical properties of Ti, Zr and Co +Kirilov, S. S. 5=10937, Bubble chamber photographs Kiritani, M. + 5=1325, Voids in quenched Al +Kirk, R. D. 5=15591, Luminescent S centers Kirkpatrick, P. 5=1964, Telescopic systems Kirov, K. + 5=12725, Trap filling in CdS +Kirsch, L. 5=11125, Σ-Λ relative parity Kirste, R. G. 5=8907, Thread-like molecules.I-II Kirstein, P. T. 5=4905, Low-velocity charged beams +Kirsten, F. A. 5=2541, Scanning system for spark chambers Kirtisinghe, D. + 5=6363, Growth of crystals from melt +Kirtman, B. 5=2959, Born-Oppenheimer approximation Kir'yanova, V. M. + 5=15095, Dislocations in Ge films +Kirz, J. 5=10971, Elementary particles, resonant states +Kirzhints, D. A. 5=13709, Superconductivity of neutron stars +Kirzhnits, D. A. 5=14237, Nonlocal interaction field theory. IV. +Kisaka, S. 5=14965, Single crystal growing method Kiselev, A.V. + 5=4322, Spectroscopy of adsorbed molecules +Kiselev, A. V. 5=6317, Hydroxyl groups of silica +Kiselev, A. V. 5=9249, Adsorbed hydrogen bond energy Kiselevskii, L. I. + 5=8745, Population of displaced levels of Al Kiselevskii, L. I. + 5=8936, Spectral displacement in an arc Kiselevskii, L. I. + 5=14601, C⁴D levels of Cu atom +Kishkin, S. T. 5=12098, Growth of sapphire crystals +Kishore, J. 5=3101, High voltage discharge tube +Kislik, M.D. 5=13735, Astronomical unit by radar off Venus Kislyak, + 5=13102, Phosphorescence of B-u phosphors +Kispéter, J. 5=7031, CdS photocurrent Kispéter, J. + 5=15357, CdSe-Se barrier layers Kiss, Z. J. + 5=5014, Cr³⁺-Nd³⁺ YAG laser system Kiss, Z. J. 5=13108, Energy levels of Dy2+ Kiss, Z.J. + 5=13109, Zeeman effect in CaF₂:Dy²⁺ +Kissinger, L. W. 5=5830, Hydrogen bonding in nitro compounds Kisslinger, L.S. + 5=2763, First-forbidden β -decay Kisslinger, L.S. + 5=8536, Nuclei with residual forces +Kistemaker, J. 5=6208, Thermochemistry of antimony +Kistemaker, J. 5=8946, Ionization cross sections in gases +Kistiakowsky, G. B. 5=10010, Acetylene-oxygen reaction Kistner, G. 5=14557, Rossi-a theory for assemblies Kistner, O.C. + 5=5538, Excited states in Ru99 and Xe129 +Kitagawa, N. 5=13296, Radiation from lightning, 400-1000 Mc/s +Kitahara, Y. 5=14655, Structure of organic compounds Kitaigorodskii, A. I. + 5=1220, Lattice energies of crystals Kitaigorodskii, A.I. 5=1497, Temperature with respect to strain +Kitaigorodskii, A. I. 5=12027, $\alpha = \beta$ -Transformation paradichlorobenzene

Kitaigorodskiy, A. I. + 5=14942, Polymorphism of pdichlorobenzene +Kitchingman, W. J. 5=1246, Order in Ag-Ga alloys +Kitchingman, W. J. 5=1341, Lattice parameters from powder diffraction +Kitchingham, W. J. 5=9354, Lattice spacings in Ag-Zn +Kitchingman, W. J. 5=12017, Deformation and phase transformations in Ag-Zn +Kitchingman, W. J. 5=12174, Computing X-ray diffraction patterns +Kitsenko, A. B. 5=11743, Excitation of sound waves in plasma Kitsenko, A. B. + 5=14754, Plasma-wave propagation +Kitt. G. P. 5=5464, α and β proportional counter Kittel, C. 5=7098, Recent advances in ferromagnetism Kittel, C. 5=9191, Quantum theory of solids Kittl, J. E. + 5=9225, Cu-Ga phase diagram Kitz, A. 5=14997, Space groups and point groups Kivelson, M. G. + 5=1077, Plasma conductivity Kivikas, T. + 5=14554, Photofission of U² Kizel, V. A. + 5=14207, Achromatic λ/4 device +Kizhaev, S. A. 5=9328, Bi₂O₃-metal₂O₃ structure +Kjekshus, A. 5=1383, Arsenides and antimonides of Nb +Kjekshus, A. 5=3637, Structures of Nb₃Se₄ and Nb₃Te₄ +Kjekshus, A. 5=9346, Tetragonal PtMn phase Kjekshus, A. + 5=12011, Constitution of (PdTe-PdTe₂) +Kjekshus, A, 5=12215, Crystal structure of NbAs, +Kjellsby, E. 5=8649, (n, 2n) reaction cross-sections +Kiellman, J. 5=2584, Interactions of muon-neutrinos +Klabes, R. 5=11352, Cl²(d, α)B¹⁰ reaction at 9.2-13.8 MeV +Klabuhn, J. 5=5390, π ⁻ + N at 7.5 GeV Klahr, C. N. + 5=12764, n-transmutations semiconductor doping Claiber, B. 5=5207, Two-dimensional field theories Claiber, B. 5=14243, Coupling in field theory +Klama, S. 5=12941, Paramagnetic susceptibility of ferrites Klamut, J. 5=12888, Ferromagnetic elementary domains +Klank, A. C. 5=3800, Elongation of U by N irradiation +Klapper, H. 5=9318, Bent crystal X-ray reflection +Klappmeier, F. H. 5=2336, Low temperature spectral attachment Klarmann, H. 5=2356, Photography Klassen-Neklyudova, M. V. + 5=1533, Plastic deformation of Ni Klassen-Neklyudova, M. V. 5=6742, Plastic deformation of nickel Klauder, J.R. 5=364, Spinor fields Klauder, J. R. + 5=7803, Continuous-representation theory. V +Klaver, R. F. 5=5130, Automated X-ray absorption +Klebanoff, J. 5=7892, Pt-Pt(Rh) thermocouples on Ni surfaces Kleber, W. 5=6348, Etching of cubic single crystals +Kleczek, J. 5=7561, Space velocity coronagraph Kleiman, H. + 5=11195, Spin and moments of Hg¹⁹³ +Klein, A. 5=4860, Phonons in liquid helium Klein, C. A. + 5=1432, Thermal conductivity of graphite. I. Klein, C.A. 5=1563, Transport properties of graphites +Klein, F.S. 5=4412, Isotope exchanges in HCl and D $_2$ mixtures Klein, G. H. 5=2089, Random excitation of nonlinear system Klein, J. J. + 5=2398, Dichroism of vacuum Klein, M. J. + 5=3838, Solutes and damping of Cr +Klein, M. J. 5=6609, Vacancy generation in MgO Klein, M. J. 5=9536, Internal friction in Cr +Klein, M. L. 5=6323, Forces between adsorbed atoms +Klein, M. L. 5=12436, Thermoelastic properties of cubic lattices +Klein, M. L. 5=12440, Second-order elastic constants Klein, M. W. 5=3692, Thermodynamics of transition impurities Klein, P.I. 5=4497, Radio propagation during eclipse Klein, R.+ 5=4394, Carbon monoxide on niobium Klein, R. 5=6836, Normal skin effect +Klein, S. 5=4841, Study of flames +Klein, S. 5=14743, Flame potentials on gas injection Klein, W. R. + 5=10716, Light diffraction by u. s. gratings +Kleiner, W. H. 5±211, Photoelectron counting and e.m. field +Kleiner, W. H. 5±15234, Band structure of HgTe Kleinerman, M. + 5=6193, Fluorescence of chelated lanthanide Kleinhans, W. A. 5=7869, Infrared spectral filtering Kleinheinz, P. + 5=5581, Two quantum decay of In114:n Kleinheinz, P. + 5=14486, Electron directional correlation spectrometer +Kleinkopf, J. D. 5=4485, Auroral absorption at low latitude Kleinman, D. A. 5=2276, Maser rate equations +Kleinman, D. A. 5=9893, Second-harmonic light generation Kleinsinger, I. J. + 5=301. Microdensitometer system Kleinstück, K. + 5=9343, Structure of ferrites with Mg Kleint, Ch. + 5=12841, Field electrons from silicon +Kleitman, D. J. 5=5163, Feynman amplitude U-functions

```
Klemens, P. G. + 5=2180, Isotopic mixtures of solid He
Klemens, P. G. + 5=6808, Fermi surface electron diffusion + Klemm, A. 5=3277, Diffusion in T<sub>2</sub>-H<sub>2</sub>, DT-H<sub>2</sub> and T<sub>2</sub>-D<sub>2</sub> + Klemperer, W. 5=2968, Energy transfer in I fluorescence
+Klemperer, W. 5=5837, Molecular geometry determination
+Klemperer, W. 5=5847, B ^3\mathrm{II}_{0\mu} state of iodine
+Klemperer, W. 5=8825, Molecular structure of \mathrm{B_2O_3}
Kleppa, O.J. + 5=3456, Enthalpy of \delta-Al<sub>2</sub>O<sub>3</sub> to \alpha-Al<sub>2</sub>O<sub>3</sub>
+Kleppa, O. J. 5=6275, Metastable modifications of alumina
+Kleppa, O. J. 5=13149, Mixing binary halide mixtures
Klepper, O. + 5=14476, \gamma-angular distribution of F^{19}
+Klesnil, M. 5=1468, Dislocation of pure iron
Klesnil, M. + 5=6763, Fatigue process in steel
+Kleutsovaand, R. F. 5=6485, Crystal structure of uklonskovite
Klick, C. C. 5=12424, F center in LiCl
+Kliger, G.K. 5=2610, →650 MeV p elastic scattering
Klimanek, P. 5=8191, X-ray scattering by ellipsoids
 Klimenko, A. G. 5=12708, Measuring resistivity of films
 Klimenko, A. P. + 5=12767, Semiconductor diode
Klimontovich, Yu. L. 5=3216, Statistics of instabilities in a plasma
Klimov, B. M. 5=12603, Enrichment and depletion in Ge
+Kline, K. A. 5=14783, Laminar flow of visco-elastic fluid
Klingenberg, H. 5=1088, Shock tubes
+Klingenberg, H. 5=3163, Multiplier measurements on T-tubes
Klinger, M. I. 5=4005, Conductivity of semiconductors
 +Klinkenberg, P. F. A. 5=10685, Interferometer comparator for
      spectroscopy
+Klints, V. 5=15082, Diffusion and precipitation of He in Zr
Klitzing, K. H. V. + 5=4210, Permeability of Mn-Zn-ferrite +Kliva, M.O. 5=1297, Morphology or artificial diamond
 +Klochikhin, A. A. 5=15533, One-phonon impurity absorption
+Klochkovskii, Yu.V. 5=11569, Electro-optical parameters of CH3F
Kloeppel, P. K. 5=602, Stopping pions with D
+Klopfenstein, R. W. 5=11668, Ionization of atomic H
Klopman, G. 5=5832, Semiempirical molecular structures. II
 Kloss, H. G. 5=959, Partition functions of NO+, N2+ and CO+
 +Klosterman, F. T. 5=1517, Deformation bands in copper
 +Klotyn'sh, E. E. 5=6936, Impurity zone in n-InP crystals
 +Kloze, E. 5=12034, Surface migration of Mo
 +Kloze, É. 5=12331, Diffusion in rhenium
 +Kluge, E. 5=2686, Sigma leptonic decays
 +Kluge, E. 5=5450, Leptonic decays of charged \Sigma
 +Kluge, E. 5=11201, Short lived isomers
 Kluge, W. 5=4122, Surface electronics
 +Klugert, A. 5=6355, Lamellar growth: an electric analog
 Klugmann, E. + 5=12941, Paramagnetic susceptibility of ferrites
 +Klugov, J. 5=5400, Resonance production by \pi + p
 +Klugow, J. 5=8450, Exchange in \pi^+ p \rightarrow p \pi^+\pi^0 at 4 GeV/c
 Kluitenberg, G. A. 5=2037, Deformations in elastic media
 +Kluyver, J. C. 5=8474, K^-P \rightarrow K^*N and KN^* at 3 GeV/c
 +Klym, N. M. 5=14832, Atomic distribution in eutectic melts
 Klymenko, A. P. + 5=4058, Recombination of Ni in \rho-Ge
 Klynning, L. 5=14636, Zeeman effect in AlH
 Klŷshko, D. N. + 5=5727, Absorption in a two-level system
 +Klyucharyev, O. P. 5=2708, Fe-Cr isotope targets
 Klyukin, I. I. + 5=2084, Flexural waves on plate
 Klyukin, I. I. 5=2086, Oscillations of plate
+Knable, N. 5=266, Pulsed <sup>67</sup>Rb microwave maser
+Knappwost, A. 5=4167, K<sub>2</sub> Tc[Re] (hologen)<sub>8</sub> magnetism
 Knappwost, A. + 5=9773, Curie temperature of Ni
 Knasel, T. M. + 5=10939, Spark chamber in beam
 Knauf, K. + 5=11266, Second order radiation process
 +Knestrick, G. L. 5=7491, Absorption spectrum of atmosphere
+Knies, G. 5=8450, Exchange in \pi^+ p \rightarrow p \pi^+\pi^0 at 4 GeV/c +Kniffen, D. A. 5=11151, Cosmic-ray H and He modulation
 +Knight, J. D. 5=12338, W and Re diffusion in W
+Knight, J. M. 5=11126, Resonance model for \Sigma^*-K* production +Knight, J. T. 5=9165, Droplet coalescence
+Knight, R.W. 5=4495, Ionosphere explorer I satellite
 +Knight, V. 5=7445, Hg—photosensitized oxidation of C_2F_4
+Knight, W. L. 5=638. Muonic decay of λ-hyperon
+Knigin, P. I. 5=12835, Si photoconductivity and recombination
Knobler, C. M. + 5=3270, Lorentz-Lorenz functions
 +Knoke, F. 5=11043, Slowing-down of neutrons by mixtures
 +Knolle, W. E. 5=13649, Izsak-Borchers relations
Knollman, G. C. 5=4803, Sound propagation in random medium
 +Knollman, G. C. 5=7752, Calibration of rheological apparatus
 Knop, C. M. 5=11709, Pulsed e. m. waves
 Knopoff, L. 5=12284, High-pressure state equations
Knopoff, L. 5=12435, Equations of state of solids Knopoff, L. 5=13206, Q
Knopoff, L. + 5=13914, Attenuation of dispersed waves
```

```
+Knopoff, L. 5=13916-17, Surface wave properties. I-II
+Knopoff, L. 5=13918, Surface waves at a corner
Knopp, A. N. + 5=9697, Silicon controlled rectifiers
+Knoppik, D. 5=15173, Plastic behaviour of polycrystalline Ni
Knor, Z. 5=10401, Maintaining level of liquid gases
+Knorr, T.G. 5=3493, Ellipsometry of surfaces
+Knox, K. 5=6479, Hydrogen atom arrangement in ReH<sub>0</sub><sup>2</sup>-
+Knox, K. 5=13003, KCoF<sub>3</sub> n. m. r.
Knox, R. S. + 5=6231, Symmetry in the solid state
+Knox, R. S. 5=9602, Electronic properties of AgCl and AgBr
+Knudsen, L. J. 5=7824, Mechanical frequency response
Knudsen, V.O. 5=130, Architectural acoustics
+Knudsen, V.O. 5=4808, Diffraction of sound by panels
+Knyazev, I.N. 5=8055, Pulsed laser using hydrogen
Knyazev, Yu. R. + 5=1043, Radiation from Ar arc
+Knyazeva, N.A. 5=3005, Infrared spectrum of F2NNF2
+Knyaz'kov, L.G. 5=882, Large dispersion mass-spectrometer
Knyaz'kov, L.G. + 5=883, Large dispersion mass-spectrometer
Kobatake, Y. + 5=3327, Osmosis in charged membranes. II.
+Kobayakawa, H. 5=5462, Elastic and inelastic p-He<sup>4</sup> collisions
+Kobayakawa, K. 5=11076, Four-momentum transfer
+Kobayakawa, M. 5=10954, Particle trajectories in acceleration
    tubes
+Kobayashi, A. 5=12617, Surface states in cleaved Si
+Kobayashi, A. 5=15353, Stress and Ge junctions
Kobayashi, H. 5=13244, Hygrometry below 0°C
+Kobayashi, K. 5=9669, Hall effect in CdS
+Kobayashi, K. 5=12926, Identification of magnetite and hematite
+Kobayashi, K. 5=13627, Natural remanent magnetization in rocks
+Kobayashi, M. 5=2801, \( \pi^* \) From C nuclei +Kobayashi, M. 5=11615, Vibrations of polymer molecules. \( \mathbf{V} \)
+Kobayashi, N. 5=1761, Magnetostriction of Mn-Zn-Fe ferrites
Kobayshi, R. 5=2762, Mesic effect in \beta-decay
Kobayashi, S. + 5=9130, Naphthalene scintillation times
+Kobayashi, S. 5=9864, NMR in Cu-Ni, -Pd, -Pt alloys
Kobayashi, S. + 5=15519, N. M. R. of Co in ferromagnetic alloys
Kobayashi, T. + 5=2700, Cosmic ray jets
Kobayashi, T. 5=13498, E, wave strength
Kobayasi, K. 5=13981, Film boiling heat transfer
+Kobayasi, S. 5=4259, N.M.R. in ferromagnetic metals. I
+Kobelev, F. S. 5=6217, Measurement of Hg vapor density
+Kobzarev, I. Yu. 5=14425, Meson decay unitary symmetry
+Kobzenko, G. F. 5=12000, Phase diagram of Cr-Os system
+Kobzev, P. M. 5=11408, Omegatron for high-vacuum
+Koc, S. 5=3935, Field emission from oxide states into Ge
Koch, D. + 5=6879, Preparation and superconductivity of Nb-Sn Koch, H. 5=4329, Absorption edge of SnO<sub>2</sub> films
+Koch, H. W. 5=8619, Photonuclear cross-sections for low Z
+Koch, H. W. 5=14616, Electron scattering
+Koch, J. 5=2778, Decay of Ag110
Koch, L. 5=496, Detection by semi-conductors
+Koch, R. 5=3470, Nb-Ir diagram
+Koch, W. 5=2655, π Interactions on nuclei
Kochanovska, A. + 5=12451, Ratio method for stress
Kochanski, A. 5=13326, Atmospheric motions from Na clouds
 +Kochegarov, V. G. 5=11865, Viscosity of Fe-rich alloys
Kochelaev, B. I. 5=6829, Conduction electron spin coupling
+Kochemasova, L. N. 5=14040, Recharging electrostatic generator
 +Kocher, J. 5=11998, Boric rubidium anhydride
+Kochetkov, V. L. 5=14812, Slowing of atoms in gases
+Kochkarev, V. I. 5=9737, Stable n-type thermoelements
+Kochkin, V. A. 5=538, Single cavity p accelerator
+Kochkin, V. A. 5=10969, Single cavity accelerator for protons
 +Köchler, C. 5=5255, Track recognition in ionization chambers
Kochnov, V.E. 5=3474, Energy losses in steel
 +Kochubei, S. M. 5=1823, Exciton spectra of mixed crystals
 Kochubei, S. M. 5=7376, Molecular symmetry in crystal spectra
 +Kochurow, B. P. 5=2862, Criticality of inhomogeneous reactor
 +Kocks, U. F. 5=3851, Dimensions and easy glide in Au
 Kocks, U. F. 5=9524, Slip in crystals
 Kocks, U. F. 5=9525, Slip and internal stresses
 +Koda, S. 5=12381, Dislocations on \theta' precipitates in Al-4%Cu
 +Koda, S. 5=12384, Dislocation nodes in Al-5.5% Ag
Koda, T. + 5=1875, Luminescence in ZnS:Cl crystals +Koda, T. 5=9972, Luminescence center in Zns
 Kodaira, K. 5=13757, Depression in solar spectrum
 +Kodama, M. 5=11163, 11 yr cosmic ray variation
 +Koechlin, Y. 5=11146, Cosmic-ray electron flux
 +Koehler, H. 5=14991, Si films for imperfection analysis
 +Koehler, J. S. 5=12358, Au vacancy defect annealing
+Koehler, W. C. 5=6469, Crystal structure of nickel hydride
+Koehler, W. C. 5=7154, Tb|Ho|Ir<sub>2</sub> magnetic structure
```

hysics Abstracts 1965 - Part I (Jan. -June) -Koehler, W. C. 5=7191, Alignment of moments in Pd-Fe -Koerts, L. A. Ch. 5=11362, The Au, Cu(d, p) reactions Coester, C. J. + 5=286, Fiber laser
Coester, L. 5=11332, Hg neutron scattering length Koestler, J. G. + 5=10230, Generalized classical mechanics Koffyberg, F. P. 5=12405, Etch pits and dislocation in SnO₂ Koga, T. 5=5983, Conductivity of warm plasma Koga, T. 5=14802, Collision model Kogan, A. N. 5=1549, Strength of tungsten crystals Kogan, A. V. 5=11966, Internal magnetic fields of W, Ru in Fe Kogan, G. A. 5=14653, Butadiene vibrational spectra Kogan, L. M. + 5=6585, Cd and Zn diffusion in GaAs +Kogan, Sh. M. 5=12738, Conductivity of n-InSb Kogan, V.S. + 5=1421, Molar volumes of ionic crystals +Kogan, V. S. 5=11988, Stratification in solid H₂-HD, D₂-HD +Kogelnik, H. 5=8136, Spherical mirror interferometer Kogelnik, H. 5=10674, Coupling and conversion for optical modes Koh, J. C. Y. 5=10349, Radiation of gases +Kohane, T. 5=1757, Testing of ferrite materials Kohl, D. A. 5=13301, Sferics and lightning stroke orientation Kohl, K. 5=4566, Atmosphere of Sirius +Kohler, B. E. 5=9851, ESR absorption by V^{2+} in $CdCl_2$ +Kohler, D. 5=8679, Radiative capture of He^3 by Li^7 +Kohler, D. 5=8680, Search for resonances in $Li^7(He^3, \alpha)$ +Köhler, H.S. 5=692, Binding energy of Λ particle +Kohler, H. 5=7325, Optical constants of CdO layers Köhler, H. S. 5=11189, Theory of finite nuclei Kohler, M. + 5=8004, Rectangular waveguides
Köhler, W. + 5=4848, Dispersion filter temperature measurement Köhler, W. 5=8720, Flux-density in reactors Kohlhaas, R. + 5=204, Small sample susceptibility determination +Kohlihaas, R. 5=1428, Thermal conductivity of metals +Kohlmannsperger, J. 5=9998, eta and lpha ray luminescence of pyrene and dibenzyl Kohmura, T. 5=14542, π produced nuclear reactions +Kohn, K. 5=1777, Magnetic resonance of spin systems +Kohn, W. 5=90, Inhomogeneous electron gas +Kohn, W. 5=6849, Resistivity of solid and liquid Na Kohn, W. + 5=10297, Oscillations in electron gas +Kohr, C. B. 5=8533, Nuclear 24-pole deformation Köhrmann, W. 5=3099, Development of Townsend-discharge +Koički, A. 5=10951, Beam transport 1.5 MeV accelerator Koidan, W. + 5=13942, Free-field correction for microphones Koide, S. + 5=7304, I.r. absorption in antiferromagnetic crystals Koide, S. 5=9684, Electrical properties of $\text{Li}_{*}\text{Ni}_{(1-*)}\text{O}$ +Koide, S. 5=11430, ${}^{2}P_{3/2}$ states of Cs¹³³ Koizumi, H. + 5=1362, Bi₂O₃ - Fe₂O₃ system Koizumi, N. + 5=15379, Dielectric properties of polyethylene glycols Kojima, H. + 5=12908, Remanent domain structures of BaFe₁₂O₁₉ Kokes, R.J. + 5=13162, Thermodynamics of adsorption CO₂ +Kokorev, D. T. 5=7872, Radiant flux alternation coefficient Kokoulin, V. G. 5=10906, Filamentary scintillators Kokubin, S. + 5=15678, Nose whistler **Kokubun, S. 5=15677, Low-latitude whistlers +*Kolb, A. C. 5=1110, Rotation and instability in θ -pinch Kolbasov, V. A. + 5=14130, E. P. R. spectrometer Koledov, L. A. 5=11873, Self-diffusion in liquid metals +Koleganov, Yu. F. 5=8712, Fast reactor with Th screen Kolenko, E. A. 5=9733, Thermoelectric cooling devices +Kolerov, G.I. 5=452, Acausality and dispersion relations Kolers, P. A. 5=5110, Illusion of movement +Kolesar, D. F. 5=15171, Elastic constants of HgTe +Kolesnichenko, G. A. 5=3307, Solubility of C in Ni alloys +Kolesnichenko, L. F. 5=1527, Crystal structure change of Fe +Kolesnichenko, L. F. 5=3752, Dislocations in steel Kolesnik, I. G. 5=13711, Ionization in stellar atmosphere Kolesnik, L. I. 5=12581, Plastic deformation of Ge Kolesnikov, N. N. + 5=5500, Disintegration of ${}_{\Lambda} H^3$ Kolesnikov, P. M. 5=5979, Plasmoid acceleration in coaxial tube Kolesov, I. V. + 5=10900, Photography of spark counters +Kolesov, I. V. 5=10937, Bubble chamber photographs +Kolesov, V. E. 5=8654, U²³⁸, Th²³² n-cross-sections +Kolganov, V. Z. 5=2610, \rightarrow 650 MeV p elastic scattering +Kolganova, E. D. 5=2829, π -absorption by emulsions +Kolker, H. J. 5=3078, Van Der Waals forces

+Kolomiets, B. T. 5=12744, HgTe galvanomagnetic properties Kolomiets, B. T. 5=12832, Se photoconductivity Kolomiets, B. T. 5=13051, Vitreous semiconductors. II. +Kolomiets, B. T. 5=13061, Optical and photoelectric properties of Kolomoets, N. V. + 5=4028, Valence band of GeTe +Kolondra, F. 5=4899, Superconducting Nb₃Sn solenoids Kolontsova, E. V. + 5=3770, Structure of pentaery-thritol +Kolontsova, E. V. 5=9469, Kinetics of dislocations in LiF Kolopus, J. L. + 5=15500, E. P. R. spectrum of Fe³⁺ in MgO Kolos, W. + 5=2956, Adiabatic treatment of H₂ Kolos, W. + 5=2957, Vibronic energies for H₂, D₃, and T₃, +Kolotkov, V. V. 5=1888, Electroluminescent film condensers +Kolotov, O.S. 5=1753, Magnetic reversals in permalloy Kolotov, O.S. 5=14010, Input resistance of tubes Kolotov, O.S. + 5=14031, Source of short pulses +Kolotov, O. S. 5=15457, Magnetic reversals of permalloy films +Kolotyi, V. V. 5=11051, Two-rotor chopper Kolpakov, O. A. + 5=10561, E.M. waves in waveguide Koltun, D. S. 5=8508, Effective interaction in nuclear systems +Kolybasov, V. M. 5=8614, Treiman-Yang criterion Komack, R.L. + 5=13613, Micropulsation activity Komar, A. 5=7782, Bootstrap gravitational geons +Komar, A. B. 5=7781, Sphere symmetric gravitational fields Komar, A. P. + 5=7966, Emitter of field-emission microscope Komar, A. P. + 5=9747, Field emission semiconductors Komar, A. P. + 5=14378, Synchrotron h. v. injector +Komar, E. G. 5=9015, Characteristics of "TOKAMAK - 3" +Komarek, K. L. 5=3394, Magnesium-tin phase diagram +Komarek, K. L. 5=9149, Resistivity of liquid Cd-Sb alloys Komarov, G.V. + 5=1304, Boundary Komarov, L. I. 5=11867, Volume viscosity +Komarov, V. A. 5=826, Scattering of deuterons on Ni and Zn Komarov, V. V. + 5=8243, Three-particle interaction amplitudes Komarov, V. V. 5=8664, (d, d'), (d, N), (N, d) and (N, N) reactions Komashchenko, V. M. + 5=4121, Photovalve systems of Cu-CdSe Komatsu, E. + 5=7407, Electroluminescence of ZnTe +Komel'kov, V.S. 5=3231, Radiation from plasma jets +Komesaroff, M. M. 5=1977, Jupiter's Van Allen belt Komissarov, V. M. 5=13826, Waves in anisotropic inhomogeneous medium Komissaruk, V.A. 5=309, Wave front aberrations +Kommandeur, J. 5=8879, NO₂ electron transfer Komnik, Yu. F. 5=1277, Lattice constant in thin films +Komnik, Yu. F. 5=3623, X-ray investigation of Cu-In-Se Komnik, Yu. F. 5=3766, Stacking faults in Ag films Komoda, T. + 5=3614, 2.0 A with electron microscope +Komoto, K. 5=7121, Sulphide n-diffraction studies Kompaneets, A.S. 5=2889, Wave field action on electron Kompaneets, A. S. + 5=7765, Anisotropic gravitation equations +Kompaniets, G. V. 5=8711, High temperature reactor Komrska, J. + 5=4918, Filament diameter in electron biprism Komrska, J. 5=6403, Diffraction in electron microscope Komrska, J. 5=12178, Measurement by electron diffraction Komrska, J. + 5=12179, Measurement by electron microscope +Komura, S. 5=6440, Neutron diffraction and scattering studies at J. A.E. R. I. Komura, S. + 5=9821, Neutron diffraction study on chromium alloy Kon, H. 5=9839, Quinquevalent Cr complex Koňák, Č. + 5=7326, Absorption edge of CdSe +Konarski, J. M. 5=351, Colour vision Kondilenko, I. I. + 5=1846, Raman scattering in quartz Kondilenko, I. I. + 5=11484, Yield in Raman scattering Kondilenko, I. I. + 5=11489, Vibration and Raman intensity Kondilenko, I. I. + 5=11527, Depolarisation of Raman lines Kondo, H. + 5=214, Charged particle in magnetic field +Kondo, K. 5=2801, π^* From C nuclei +Kondoh, H. 5=7180, Magnetic anisotropy of CoO Kondoh, H. + 5=7190, NiO antiferromagnetic domains Kondorskii, E. I. + 5=1613, Hall effect in ferromagnetic metals Kondorskii, E. I. + 5=14053, Magnetic field pulses Kondorskii, E. I. 5=15271, Hall effect in ferromagnetics +Kondorskii, E. I. 5=15477, Dy and Tb magnetization +Kondrashev, Yu. D. 5=1399, Structure of ZnSeO₃, 2H₂O Kondrashev, Yu. D. 5=12252, Structure of p-dimethyldiazoamino-Kondratenko, P.S. 5=4172, Ferromagnetism in metals +Kondratenko, V. V. 5=10960, Linear accelerator for electrons Kondrat'ev, K. Ya. + 5=247, Fluxes of radiation on surfaces at 300 km Kondrat'ev, K. Ya. + 5=1922, Earth system radiation balance

Kolomiets, B. T. 5=6948, Vitreous semiconductors

Kollard, U. H. + 5=2943, Scheibe's rule and SCF theory

+Koller, A. 5=1108, Inertial force in linear z-pinch +Kolomenskii, A. A. 5=2220, Pressure of intense plane wave

+Korbuly, V. 5=742, Nuclear decay

```
+Kondrat'ev, K. Ya. 5=10033, Earth's heat balance
Kondrat'ev, V. I. 5=2107, Collision of gas jets
+Kondrat'ev, Yu. N. 5=14972, E. P.R. study of glass crystallization
+Kondrat'eva, M.A. 5=661, Cosmic radiation beyond atmosphere
Kondrat'iev, K. Ya. + 5=15667, Atmospheric spectra
+Konenko, L. D. 5=14342, AIM A-2 pulse analyzer
Konenkov, Yu. K. 5=13907, Diffraction of flexural wave +Konev, V. N. 5=6579, Diffusion in gas—alloy systems
Kong, Y. + 5=6957, Gallium arsenide p—n junctions +Konieczny, Z. 5=2846, The S^{32}(He^3, \alpha)S^{31} reaction König, D. + 5=3840, \alpha-rays and internal friction of Cu
König, D. + 5=3841, \alpha-rays and elasticity of pure Cu
König, E. 5=5902, E.S.R. of tri-2, 2' =dipyridal complexes
+König, H. 5=13227, Krypton and xenon in oceans
Koningstein, J. A. 5=1225, Properties of Eu and Tb in YIG Koningstein, J. A. + 5=1226, Properties of Eu and Tb in YIG
Koningstein, J. A. + 5=1228, Properties of Nd in YIG
Koningstein, J. A. + 5=2337, Recording of Raman spectra
Koningstein, J. A. 5=9903, Absorption of europium iron garnet
Kon'kov, V. L. 5=4009, Probe method in semiconductors
Kon'kov, V. L. 5=4010, Semiconductor Hall constant
Kon'kov, V. L. 5=12696, Thin semiconducting films
Konks, V.A. + 5=823, Capture of neutrons
Konno, H. 5=15453, Rotatable anisotropy in films of nickel
+Konobeev, Yu. V. 5=3942, Exciton-phonon interaction
+Konobeev, Yu. V. 5=15244, Excitons in crystals
Konobeevski, S. T. 5=12656, Resistivity of n-irradiated U
+Kononenko, L. I. 5=4347, Quenching of Eu luminescence
Kononov, B. N. + 5=10434, Current discriminators
Kononov, B. N. + 5=10924, Tunnel diode pulse shapers
Kononov, B. P. 5=11711, Plasmoid and e.m. wave
Kononov, V. P. + 5=11712, Plasma acceleration by e. m. wave
Konoplev, V.S. 5=13118, Luminescence in germanium
Konopleva, R. F. + 5=6926, Properties of neutron-irradiated Ge Konopleva, R. F. + 5=15084, Defect levels in germanium
+Konorova, E. A. 5=10910, Preamplifier for crystal counter
+Konova, A. 5=1684, Double layer electret
Konovalov, A.N. 5=41, Static problems in elasticity
+Konowalow, D. D. 5=1014, Intermolecular potential function
+Konowalow, D.D. 5=2882, Correlation energy of 2e systems
Konstantinov, B. P. + 5=12281, p-n Junction u. s. generation +Konstantinov, V. A. 5=3590, Annealing of Ta and its alloys
Kontaratos, A. N. 5=11645, Avalanche growth
Kontaratos, A. N. + 5=11646, Electrical breakdown of gases
+Kontorovich, V. M. 5=7848, Waves near critical point
Konuma, M. + 5=2469, Scattering in unitary symmetry model
Konuma, M. + 5=10849, Lie algebras of rank 3
Kónya, A. 5=11417, Levels in Thomas-Fermi atom
Konyakhin, I. R. + 5=1543, Losses for mechanical hysteresis
Konyukhov, V. K. + 5=5021, Spectrum of ruby laser
Koo, E. Ley. See Ley Koo, É.
+Koo, R.C. 5=6610, Vacancies in Mo
 +Kooi, C. F. 5=4226, Permalloy spin-wave resonances
Kooi, E. 5=9415, P diffusion and solubility in Si
Koopman, D.W. 5=108, Electrically driven shock tube
Koopman, D. W. 5=906, Line strengths for Ne
Koosman, J. G. 5=4139, Photomultiplier manufacturing process
+Kopaev, Yu. V. 5=15228, Instability of semimetallic state
Kopal, Z. + 5=7627, Lunar luminescence due to sun
Kopal, Z. + 5=7628, Moon photography from earth
Kopal, Z. 5=7631, Stresses in moon and planets
Kopal, Z. 5=15807, Stellar pulsations
Kopan, V. S. 5=3755, Motion of dislocations in Pt
+Kopf, L. 5=9647, Tunneling measurements in superconductors
+Kopilevich, I. G. 5=15407, Photoconductivity of PbS
+Kopitzki, K. 5=9506, Velocity of sputtered particles
+Kopp, J. K. 5=2689, Existence of \Omega-hyperon
+Koppel, J. U. 5=6512, Phonon spectrum of graphite
Koppelmann, G. + 5=5095, Birefringence and activity of thin films
Koppenaal, T. J. 5=9544, Strength-annealing in Cu alloys
Koprova, L. I. + 5=13241, Temperature and humidity profiles
+Kopser, F.J. 5=1747, Aging of nickel-iron
+Koptelov, E.A. 5=8711, High temperature reactor
Kopvillem, U. Kh. 5=4763, Temperature of many-particle system
+Kopvillem, U. Kh. 5=13993, Stimulated emission of phonons
Kopyshev, V.P. 5=4558, p+p \rightarrow d+e^++\nu in white dwarfs
 +Korba, M. 5=13133, Fluorescein—Al luminophores
Korbel, Z. 5=5347, p-d elastic scattering at 8.2 GeV
 +Korbel, Z. 5=8410, p-p scattering from 2 to 10 GeV
Korbel, Z. F. + 5=8458, \pi-p scattering at 4 GeV/c Körber, H. + 5=5791, KLL Auger spectrum of neon
 Körber, W. 5=3023, \pi-electron absorption bands
```

```
Korchak, A. A. 5=2252, Synchrotron radiation. I
+Korchazhkina, R. L. 5=12402, Dislocations in Ge
+Kordas, B. 5=6068, Unsteady flow in porous medium
Körding, A. 5=5237, Scattering amplitude
Koren, J. G. + 5=8127, Temperature cell for a spectrophotometer
+Korenblit, I. Ya. 5=3893, Electron—phonon drag in semimetals
+Korenblit, I. Ya. 5=15395, Thermal-e. m. f. of ferromagnetic
     metals
+Korenblit, I. Ya. 5=15526, Ferromagnetic metals e.m. spectrum
Korenblit, L. L. + 5=1565, Conduction band in indium arsenide
+Koretskiĭ, Ya. P. 5=1105, Inductive discharge
+Korff, D. 5=2664, Su (3) and nonleptonic K-meson
Korman, N. I. 5=13662, 1970 communication satellite
Kormer, S.B. + 5=3813, Compressibility of 5 compounds
Korn, T.S. 5=2121, Magnetic recording
+Korneff, T. 5=14691, Exploding wires, conduction mechanism
+Kornegay, R. L. 5=1007, NMR of d11-cyclohexane. II.
Kornelsen, E.V. + 5=1491, Ion penetration into W
+Korner, S.B. 5=4792, Continuity of detonation front
+Kornfeld, P. 5=13196, Explosion in liquid sphere
+Kornienko, L.S. 5=1804, E.P.R. of Nd^{3+} in CaF_2 +Kornienko, L.S. 5=15594, Radiation from Nd^{3+} in CaF_2
Kornilov, B. V. 5=1654, Ionization in p-type silicon
Korobkin, V. V. + 5=10637, Ruby laser generation kinetics
 +Korolev, N. V. 5=10692, Monochromators for microspectro-
      photometers
+Korolev, V. N. 5=14027, High velocity oscillograph
+Korol'kov, V. I. 5=14987, Growth of GaP and CdTe
Korostyleva, L. A. 5=11444, Plutonium spectrum
+Korotkov, I. A. 5=11484, Yield in Raman scattering
 +Korotkov, P. A. 5=11527, Depolarisation of Raman lines
 +Korovin, O. P. 5=14378, Synchrotron h. v. injector
Korpel, A. + 5=118, Optical generation of sound
 +Korpi, G. K. 5=9895, Infrared spectrum of boehmite
Korpusov, V. I. + 5=6108, Diffusion coefficient of Ra A atoms
+Korshover, J. 5=4455, Variations in tropopause height
 +Korshunov, G.S. 5=10413, Nsec pulse fronts recording
 +Korshunov, G. S. 5=10439, Nanosecond pulse generator
+Korshunov, G. S. 5=10502, Three-electrode spark gap
Korshunov, V. A. + 5=9727, Thermoelectric manganese silicide
 Korst, N. N. + 5=9867, NMR and structure of ice
 +Korst, W. L. 5=6468, Neutron diffraction study of NiZrH,
 Korsun, V. M. + 5=7406, Rise of electroluminescence ZnS-Cu
 Korsuns'ka, N. Ye. + 5=4133, Internal photoeffect in CdS
 +Korsunskii, I. L. 5=5352, n-n S-interaction
+Korsunskii, I. L. 5=5453, p angular distribution in D(n,p)2n
+Korsunskii, M.I. 5=230. Electrostatic analyser
Korteling, R.G. + 5=806, Interactions of protons and He with Nb
 Kortum, G. + 5=8848, Spectra of azo-group
Koryagin, V. F. + 5=1795, E.P.R. spectrum of Cr<sup>3*</sup> ions
Koryakin, Yu. I. + 5=5712, Burn-up fraction of nuclear fuel
 Kosaly, G. + 5=14626, Slow neutron scattering
 +Kosek, F. 5=12729, Semiconducting CuMoO<sub>4</sub>
 Kosek, S. + 5=9133, Fluorescence of solutions in 2-rays
Kosevich, A.M. + 5=6665, Polymorphic transformations in metals
 +Kosevich, V. M. 5=1264, Transformation of Co films
Kosevich, V. M. + 5=9243, Formation of vacuum condensates
 Koshiba, M. + 5=2566, High energy nuclear interactions
 +Kosiakina, E. S. 5=12555, Plastic deformation α-Ti alloy
 +Kosik, N. A. 5=10399, Hydrogen liquefiers
 +Kosik, N. A. 5=13996, Hydrogen liquefiers
 +Kosionides, S. 5=5460, Excited states of He<sup>6</sup>
 +Kossler, W.J. 5=2721, Structure and moments of C11
 +Kosmach, V. E. 5=5665, O^{16} (\pi, \pi^{+}) 4\alpha for 80 MeV \pi^{+}
 +Kosman, Ya. A. 5=12918, Neutron scattering on Fe spin waves
 +Kosovskii, V. G. 5=8711, High temperature reactor
 Kossanyi-Demay, P. + 5=11302, Electron scattering by P<sup>31</sup> +Kossanyi-Demay, P. 5=14527, S<sup>32</sup>—e scattering
 +Kossy, I. A. 5=6029, Plasma confinement by h.f. H wave
 +Kossyi, I. A. 5=11710, E. M. field in plasma
 +Kostenko, A.V. 5=6705, Effect of orientation on plasticity of Cu
 Köster, E. H. 5=12410, Stacking fault energies of Ni-Co-Cr
Kostetskii, B. I. + 5=1527, Crystal structure change of Fe Kostetskii, B. I. + 5=3752, Dislocations in steel
 Kostetskii, B. I. + 5=9571, Frictional forces and dislocation
 Kostetskii, B. I. + 5=15165, Friction of crystalline bodies
 +Kostilev, S. A. 5=7406, Rise of electroluminescence ZnS-Cu
 Kostin, M. D. + 5=5361, Neutron transport theory
 Kostin, M. D. 5=11983, Energy distribution of atoms
 Kostin, V. N. + 5=1036, Stationary corona discharge
 Kostomarov, D. P. 5=3203, Wave-propagation in a plasma
```

```
Physics Abstracts 1965 - Part I (Jan. - June)
+Kostritsa, A.A. 5=576, Kinetic theory of N transport
Kostryukova, M. O. + 5=7204, Electron resonance in NiCl.
Kostur, M. L. + 5=3445, Solubility in InSb and CdSb
Kostylev, V. M. 5=4834, Thermal conductivity of dispersions
+Kostyu, Ya. E. 5=8624, n yield of \tau-nuclear reaction Koswig, H. D. + 5=9909, In Ag halides Fe<sup>2+</sup> absorption
+Kosyk, M. A. 5=2152, Counter-flow heat exchangers
+Kosyk, M. A. 5=2153, Liquefaction machines
Kotadia, K. M. 5=10090. Equatorial sporadic E ionization
Kotajima, K. + 5=14502, A new nucleide europium 143
Kotaka, T. + 5=14680, Ultracentrifugation of macromolecules
Kotani, M. 5=4766, Coupling of equivalent particles
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Kotari, L. S. 5=6507, Phonon spectrum from neutron scattering
Kotelchuck, D. 5=824, Muon stars in emulsion
+Kotelnikov, G. A. 5=2821, The Fe<sup>56</sup>(n, \gamma)Fe<sup>57</sup> reaction
Kotel 'nikov, K. A. + 5=11136, 100 BeV interactions recorder
     controls
Kotel'nikov, V. A. + 5=13735, Astronomical unit by radar off
Kothari, D. S. + 5=12793, Colloidal particles in KCl
+Kötitz, G. 5=281, Activated laser crystals. II
Kotousov, L. S. 5=9056, Gases interdiffusion pressure difference
Kotousov, L. S. 5=11820, Thermal diffusion factor connection
+Kotov, V. I. 5=8367, High-energy particle separation
+Kotov, V. I. 5=10561, E.M. waves in waveguide
+Kotov, V. I. 5=10959, Field in synchrophasotron
Kotowski, J. W. + 5=10197. Re and alloys for electron tubes
 Kotrbová, M. + 5=12112, Crystal growth. III
Kotsakis, D. 5=13698, Dispersion of fragments
Kottis, P. 5=7212, E.S.R. in glass triplet state
Kottis, P. + 5=8875, Molecular e.s.r.line shape. III
Koutecký, J. 5=13168, H chemisorption on diamond-like crystals
Kouvel, J. S. + 5=4202, Magnetic Ni near Curie point
Kouvel, J.S. + 5=7117, Co magnetocrystalline anisotropy
Kovách, A. 5=2776, Half-life of Rb<sup>87</sup>
Kovach, R. L. + 5=13736, Oscillations of the moon
Kovacs, F.S. + 5=1462, Impurity distribution in silicon
Kovács, I. 5=2983, Fine structure of 3II state of PF
Kovács, I. + 5=15126, Plastic properties of f. c. c. metals
Kovács-Csetényi, E. 5=9478, W resistivity and recrystallization
+Koval, L. R. 5=11846, Coupled oscillations of liquid
+ Koval, L.R. 5=3290, Liquid sloshing in a cylinder
Koval'chuk, D. S. + 5=3035, Fundamental frequencies of hydrides +Kovalenko, G. V. 5=15768, Magnetic anisotropy of sediments
+Kovalenko, N. G. 5=10577, Two-channel current generator
+Kovalenko, S.S. 5=14553, n-induced fission of U<sup>285,288</sup>
+Kovaleva, L. V. 5=13122, Rare-earth ion luminescence
+Kovaleva, N. V. 5=9249, Adsorbed hydrogen bond energy
Koval'skii, I. L. 5=11407, Mass spectrometer for solids
Koval'skii, L. V. + 5=10684, Polarization in spectral
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Kovalyev, A. P. + 5=7885, Flame propagation in flows
Kovan, I. A. + 5=5992, Turbulent fields in plasma
Kovan, I. A. + 5=14744, Magneto-acoustic resonance in plasma
Kovarskii, V. A. + 5=3899, Theory of radiationless transitions
Kovarskii, V. A. 5=9587, Charge carrier recombination rate
Kovarskii, V. A. + 5=12570, Nonradiative recombinations
 +Kovenskii, I. I. 5=3727, Diffusion of C in Ta
+Kovens'kyi, I. I. 5=3729, Mobility of C in W
+Kovens'kyi, I. I. 5=3729, Mobility of C in W
+Kovenshikov, S. G. 5=15649, Subantarctic current in Atlantic
+Kovpik, O. F. 5=10503, Pulsed source for ions
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Kovrizhnykh, L. M. + 5=11677, Electron beams in plasma
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 +Kovyrzin, V. K. 5=8711, High temperature reactor
Kowal, C. T. 5=4611, Intergalactic obscuring cloud
 +Kowalska, B. 5=963, Neutron scattering on NH3
Kowalski, K. L. 5=10855, Shrinking of diffraction peaks
Kowarski, L. + 5=10933, High energy data handling
Koyama, H. 5=7937, Electrode materials for m.h.d. generation
Koyama, M. + 5=9287, Single crystal foils of tin
Koyama, R. 5=1187, Flow birefringence of polymer solutions
 +Koyama, R. Y. 5=7323, Erratum: optical absorption of BP
 Kozak, P. P. 5=5069, Diffraction monochromator Rowland ghosts
 +Kozaki, S. 5=12153, Pendellösung fringes of Si
+Kozhemyakin, N. V. 5=6271. Ordering on antiphase boundaries Kozhevnikov, D. A. 5=2867, Neutron distribution in a moderator Kozhenikov, N.I. + 5=4472, Atmospheric O line in 1.27-\mu band
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```
Kozhevnikov, N. I. 5=4663, Sunspot group areas
Kozhevnikov, N. I. 5=13764, Solar magnetic field
Kozhushner, M. A. + 5=11973, Nuclear polarization in crystals
Kozhushner, M. A. 5=15515, Overhauser effect
Kozima, H. 5=12594, Electron polarization due to impurity
+Kozima, K. 5=3030, "Rotational" isomers of C<sub>5</sub>H<sub>10</sub> derivatives
+Kozin, A. M. 5=10988, y-Ray roentgenometer
Kozirovski, Y. + 5=1282, Spectrum and polymerization of HCN
+Kozlov, É.V. 5=1477, Strengthening of solid solutions
+Kozlov, E. V. 5=6271, Ordering on antiphase boundaries
Kozlov, E. V. + 5=12456, Theory of yield point
+Kozlov, F. A. 5=6169, Heat transfer to sodium
Kozlov, O. V. + 5=14683, Atomic beam h. f. plasma probe
Kozlov, V. F. 5=15648, Ocean currents at equator
+Kozlov, V. P. 5=1866, Luminescence modulation
Kozlov, V. P. 5=13274, Effective radiation flux
+Kozlov, Yu. F. 5=12422, Alkali halide bleaching by annealing
+Kozlov, Yu. G. 5=8915, Pulsed discharge in helium
+Kozlov, Yu. I. 5=15157, Annealing effects on Cu-Al
+Kozlova, T. M. 5=1615, Hall effect in Ni-Mo alloys
+Kozlova, T. M. 5=12648, Hall effect in Ni alloys
Kozłowski, M. 5=11254, Neutron beta decay
+Kozma, L. 5=6184, Absorption and fluorescence spectra of
     solutions
 +Kozorovitskii, L. L. 5=14744, Magneto-acoustic resonance in
     plasma
+Kozuka, T. 5=11938, Emissivity and freezing of metal oxide
+Kozyrev, A. P. 5=10362, H<sub>2</sub>O boiling heat transfer
+Kozyrev, B. P. 5=7316, Reflection spectra
+Kozyrev, Yu. P. 5=7392, Ge recombination spectra quenching
Kozyrskii, G. Ya. + 5=3468, Deformation and recrystallization of
+Krachino, T.V. 5=7051, Thermal emission of refractory
     compounds
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 +Kracik, J. 5=11621, Acoustic waves in discharge
Kraemer, R. + 5=622, \pi^+-d interactions
Kraftmakher, Ya. A. 5=1456, Vacancy formation in molybdenum
Kraichman, M. B. 5=15681, Sferic excitation of conducting medium
Kraichnan, R. H. 5=3254, Kolmogorov's hypotheses and turbulence
Kraichnan, R. H. 5=6071, Lagrangian-Eulerian turbulent
     dispersion
  Krainik, N. N. + 5=9259, O-W bronze structure ferroelectrics
+Krainov, B. N. 5=14055, Pulsed magnetic fields
Krainov, E. P. 5=3016, Vibrational spectra of aromatic compounds
     XX
+Krakow, B. 5=11808, Hot gas temperature profiles
+Králik, F. 5=7452, Quantitative X-ray analysis
Kralik, G. 5=15414, Exoelectronemission of Cu
Kralina, A. A. + 5=3768, Mosaic blocks in growth of Al
Kralina, A. A. 5=12367, Impurity distribution
+Kramarenko, N. L. 5=304, High reflection coefficients
Kramer, D. + 5=6664, U alloy fission swelling
Kramer, D. + 5=12680, Nb superconducting fibres
 +Kramer, D. A. 5=9927, Electro-optic effect in hexamine
Kramer, J. J. + 5=6215, Atomic kinetics of freezing, II
Kramer, K. D. + 5=9158, Polarization and relaxation in liquids
 Kramer, K. H. + 5=8902, Molecular focusing and orientation
 +Kramer, N. I. 5=4006, Acoustomagnetic semiconductors
+Kramer, P. 5=2770, Disintegration of C12 16, 11 MeV level
Kramer, J. H. 5=14317, Recovery time of a G. M. Counter
Krammer, G. + 5=7974, Positive ion sources
 +Kraner, H. W. 5=11245, Excited rotational states of nuclei
 +Kranjc, A. 5=7737, Determination of periods
Kranjc, A. 5=10166, Equatorial coordinates of 5 outer planets Kranjc, A. 5=10172, Cartesian coordinates of Mercury
 Kranjc, K. 5=9493, Surface defects in NaCl
Kranushkin, P. E. + 5=14110, Periodically cellular waveguides
Kranz, J. + 5=7129, Domains in thin iron layers
 Kranzlein, H. H. + 5=12511, Fe-Ni[Pt] alloy strengthening
 Krapivina, I. V. 5=8913, Spread of plasma from discharge
 Krappe, H. J. 5=11212, Fermi liquids and nuclear matter
 +Krasil'nikov, V. N. 5=13908, Reflection of flexural waves by ice
 +Krasilov, Yu. I. 5=14207, Achromatic \lambda/4 device
Krasnicki, S.+ 5=7167, Spin fluctuation scattering on pyrrhotite +Krašnicki, Sz. 5=5367, 3-crystal neutron spectrometer
+Krasnov, L.V. 5=826, Scattering of deuterons on Ni and Zn
+Krasnova, E.K. 5=882, Large dispersion mass-spectrometer
+Krasnova, E.K. 5=883, Large dispersion mass-spectrometer
+Krasnoyarov, N.V. 5=8713, Fast reactors with Na cooling
 Krasovitskii, B. M. + 5=13083, Spectra of benzidine
 Krasovitskii, V. B. + 5=10534, E.M. waves in nonlinear medium
```

```
+Krasyuk, I. K. 5=10639, Ruby laser
+Kraszewski, W. V. 5=6319, Multiple thin-film deposition
+Krasznovszky, S. 5=8456, \pi^--p, \pi^*-p, K^*-p and \bar{p}-p scattering
Kratochvil, J. 5=12373, Frenkel dislocation model
Kratochvilová, E.+ 5=7172, Induction in Mn—Cu ferrite
Kraulinya, E. K. 5=11470, Collisions in Na and Hg vapours
Kraus, I. + 5=6673, Stresses by X-ray diffraction
Kraus, J.D. 5=7555, Radio and radar astronomy
Kraus, K. 5=174, Small temperature changes
Kraus, K. 5=387, Quantum field and locality
+Kraus, K. 5=1067, Ion formation in PH<sub>3</sub>, AsH<sub>3</sub> and SiH<sub>4</sub>
Kraus, K. 5=7112, Analysis of magnetothermal effects
Kraus, K. 5=7888, Measurement of temperature changes
+Kraus, K.A. 5=3252, Vortex street interactions
+Kraus, K. A. 5=11874, Diffusion in liquids by porous-frit
+Kraus, P. 5=14743, Flame potentials on gas injection
Krausbauer, L. + 5=7396, HgGa<sub>2</sub>S<sub>4</sub>, a new phosphor
Krause, F. + 5=232, Global conductivity anisotropy
Krauskopf, J. 5=354, Spatial distribution of color receptors
+Krauss, H. H. 5=7698, High-pressure belt liquid container
Krauss, M. 5=5861, Geometrical structure of AHn molecules
+Krauss, M. 5=14645, Configuration interaction of H3 and H2
+Krause, L.C. 5=13286, Attenuation of Earth's atmosphere
+Krause, M.O. 5=11429, Atomic readjustment in Ar
Kraushaar, W. L. 5=13618, Cosmic \gamma ray experiments
Krauss, H. 5=12709, Semiconductor resistance measurement
Kraut, E.A. 5=18, One-dimensional Navier-Stokes equation
+Krautman, V. R. 5=6715, Strength of sheet glass
+Kravchenko, S. F. 5=12460, Creep of metals
+Kravchenko, S. F. 5=15131, Creep at low temperatures
Kravchenko, V.B. 5=1392, Crystal structure of searlesite
+Kravchenko, V. Ya. 5=1789, Spin-lattice interaction
Kravchenko, V. Ya. + 5=12970, Relaxation of F-centers
Kravchuk, E. M. 5=163, Method of temperature waves
Kravtsov, N. B. + 5=5032, Modulation of light
+Kravtsova, N. F. 5=3960, Number of free electrons
+Krebs, J. J. 5=13000, Cr<sup>53</sup> n. m. r. in antiferromagnetic Cr<sub>2</sub>O<sub>3</sub>
Krebs, K. 5=15027, Lattice vibrations in metals
 +Krecker, U. 5=5390, \pi^- + N at 7.5 GeV
+Krecker, U. 5=10947, Distortion in NIKFI-R emulsions
Krecker, U. 5=14364, Spinous scattering in emulsions
Krehbiel, H. 5=5548, States in Ce<sup>140</sup>, Pr<sup>140</sup>, Nd<sup>142</sup> and Os<sup>187</sup>
+Krehbiel, H. 5=11201, Short lived isomers
Kreher, K. 5=9598, GaAs band structure
Kreiken, E. A. + 5=7568, Velocity of PII stars and age
Kreĭndel', Yu. E. + 5=1024, Discharge in Penning tube
Kreingol'd, F. I. + 5=12820, Photoconductivity of CdS
Kreisler, M. N. + 5=2681, Lifetimes of Λ° hyperon, K<sub>1</sub>° meson
+Krejbich, P. 5=8474, K-P \rightarrow K*N and KN* at 3 GeV/c
Kremenchugskii, L.S. + 5=10352, Thermal-radiation detectors
+Kremenchugskyi, L. S. 5=10355, Metal vacuum bolometers
Krempaský, J. 5=162, Thermal and thermoelectric measurements
+Krempl, H. 5=11683, Electron pressure in plasmas
Kren, K. G. + 5=3722, Imperfections and Ga diffusion in Si
+Krentsis, R. P. 5=6548, Thermodynamic properties of CoSi
Krenz, F. H. 5=2869, Metallic components of nuclear reactors
Kreye, W.C. 5=3793, Low-energy sputtering measurement
Krieger, J. B. 5=15229, Zener tunneling in semiconductors
Krieger, T.J. 5=11287, Statistics of compound nuclei
+Krienen, F. 5=5320, Neutrino interactions
+Krienen, F. 5=8441, Intermediate boson in \nu interactions Krimmel, E. + 5=7911, Measurement of contact p.d.
Krinchik, G. S. + 5=12605, Band structure of Ni
Krinchik, G.S. + 5=1735, Magnetization of ferromagnetic metals
 +Kripyakevich, P. I. 5=9340, Structural type Li<sub>22</sub>Pb<sub>5</sub>
 +Kripyakevich, P. I. 5=12221, Crystal structure of Pr-Mg
      compound
Kripyakevich, P. I. + 5=12223, Structure of rare earth-Mg system
 +Krisch, A. D. 5=566, p + p \rightarrow \pi^* + d at high momentum
Krisch, H. 5=3112, Static breakdown in N
Krischunas, V. Yu. + 5=15568, Se absorption spectra
Krisement, O. 5=15248, Electron gas in metals
+Krishkevich, G. V. 5=4792, Continuity of detonation front
Krishna Murthy, B. V. + 5=1954, F region drift
Krishna Murthy, M. + 5=6211, Germanium oxide systems. I.
Krishna Pillai, M. G. + 5=8837, Force constants of thio-carbonyl
      fluoride
 Krishna Piklai, M. G. + 5=8839, Potential energy of Se compounds
 Krishna Pillai, M. G. + 5=8840, Potential constants of SiH<sub>3</sub>CN
Krishna Pillai, M. G. + 5=8852, Potential energy of butyl halides
Krishna Rao, J. 5=7783, Waves in general relativity
 +Krishna Rao, K. 5=9395, Au-Pd thermal expansion
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```
Krishna Rao, K.V.+ 5=12209, Thermal behaviour of PbO, Krishna Rao, K.V.+ 5=15023, Crystal structure of \rm ZnF_2. \rm 4H_2O
Krishnaji, + 5=2927, London dispersion forces
Krishnaji. + 5=3006, Quadrupole moment of OCS
Krishnaji. + 5=11610, Molecular collision cross section
+Krishnamurthy, B. 5=8521, p-He<sup>3</sup> resonance in \Lambda He<sup>4</sup> decay
KrishnaMurthy, B. V. + 5=13535, Variation of spread-F index
Krishnamurthy, N. + 5=13030, Raman spectra of alkali halides
+Krishnamurty, B. 5=6700, Brass and bronze elasticity
+Krishnamurty, Bh. 5=6729, Pb alloy elastic properties
+Krishnamurty, Bh. 5=6730, Ternary alloy elastic moduli
+Krishnan, R. S. 5=13030, Raman spectra of alkali halides
Krishnan, R. S. + 5=15574, Raman spectra of double sulphates. I
+Krishnan, S. S. 5=9217, Cellulose degradation
+Krishnan, T. 5=10154, Observations of radio sources
+Krishnan, T. 5=15874, Observations of radio sun
Krishnan, T.V.+ 5=2894, Field theory in X-ray spectra
Krishtal, M. A. + 5=3718, Diffusion in iron alloys
Krishtal, M. A. + 5=3854, Internal friction in ferrite
Krishtal, Yu. A. 5=15167, The effect of quenching temperature upo
     internal friction of iron-silicon alloys
Kristianpoller, N. 5=1886, Quantum yield of sodium salicylate
 +Kristiansen, L. A. 5=5824, Coriolis coefficients in molecules. III
+Kristiansson, K. 5=2699, Primary nuclei
Kristofel, N. N. + 5=9434, Vacancy pair in alkali-halide
Kristov, K. H. + 5=2583, Space momentum distribution of neutrino
Kristov, Kh. + 5=5358, One-dimensional neutron transfer
+ Kritikos, A. 5=7129, Domains in thin iron layers
+Kritskaia, V. K. 5=6615, Atomic displacements in Fe, Cu and W
+Kritz, A. 5=14087, Magnetic field diffusion
 +Krivaň, V. 5=11303, β-ray backscatter factors
Krivoglas, M. A. + 5=6267, Phase transformations and magnetic
     fields
Krivoglaz, M. A. 5=12268, Phononless line broadening
 Krivoglaz, M. A. 5=13018, Broadening of spectral lines
 +Krivopolenova, M. M. 5=12737, Electrical properties of p-Ge
+Krmpotic, F. 5=737, Conversion coefficients of Pb<sup>202n</sup>
Krmpotic, F. + 5=8566, K-conversion coefficient of Pb203
 Krock, R. H. + 5=15192, Mechanical behaviour of 2-phase
      W-Ni-Fe
 Kroeger, R.C. + 5=7823, Measured vibration data
Kroemer, H. 5=10433, Tunnel diode power oscillator
 +Krogdahl, T. 5=6596, H in Ta-H system
 Kröger, F. A. 5=15091, Vacancy concentrations in NaCl
Krogh-Moe, J. 5=6480, Crystal structure of Ag,O. 4B,O. Krogh-Moe, J. + 5=12074, Thallium borate glasses Krohn, V. E.,Jr. 5=581, He^3-Ne-CH_4 in proportional counters Krolikowski, W. 5=5180, SU_3 triplets
 Królikowski, W. 5=8224, Hypercharge and U2 group
+Kroll, N. 5=239, Harmonic generation in magnetrons
Kroll, N. M. + 5=1101, Plasma density probe
Kroll, N. M. 5=9374, Optically excited hypersonic waves
+Kröll, W. 5=3183, Magnetic plasma probes
+Kröll, W. 5=6044, Thermal instability of plasma column
 +Kröll, W. 5=11632, Instability of glow discharge
 +Kröll, W. 5=11659, Lowering of ionization in plasma
 +Kröll, W. 5=14704, Correlation functions of plasma
 +Krone, R.W. 5=801, Angular distribution in Li<sup>7</sup>(p, y)Be<sup>8</sup>
 +Kronick, P. L. 5=1658, Conductivity of complexes
 +Kronmüller, H. 5=3796, After-effect in irradiated N
Kroon, D. J. + 5=10465, Laboratory magnet
 +Kroon, S. G. 5=4293, I. F. spectra of solid solutions
+Kropf, F. 5=2693, Decay of excited state of He<sup>6</sup> Kropik, K. 5=1136, Stability in Poiseuille flow
 Kropotkin, M. A. + 5=7316, Reflection spectra
 Kropp, J. L. + 5=11541, Luminescence of rare-earth complexes.
 Kropp, W. R., Jr. + 5=8400, Test of N conservation and \nu flux
 +Kropschot, R. H. 5=1626, Ginzburg-Landau parameter
 +Krot, N.N. 5=875, Radiative capture and fission of Pu<sup>239</sup>
 Krotikov, V.D. + 5=4625, Heat from interior of moon
 Krotikov, V.D. + 5=4630, Radio temperature of moon, Jupiter Krotikov, V.D. 5=13742, Lunar radio emission
 +Kroto, H. W. 5=5893, Electronic spectrum of nitrosomethane
 Krotoszynski, B. K. 5=3790, Irradiation of ferrocene
 Krouse, H. R. + 5=15860, S<sup>32</sup>/S<sup>34</sup> ratio in meteorites
 Kruchanu, E. + 5=3543, Cleavage in HgSe and HgTe
 Krucheanu, E. + 5=12113, Growth of HgSe and HgTe crystals
 Kruchek, M. P. 5=11505, Rotational strengths of transitions
  +Krug, W. 5=15068, Self-diffusion in cobalt
 +Krüger, A. 5=7663, Solar radio bursts
 Krüger, G. + 5=8295, Computer data acquisition
 +Krüger, G. J. 5=11596, Radical proton relaxation
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Kruger, P. + 5=11305, Rh<sup>103</sup>(e, e') and In<sup>115</sup>(e, e')
Krugler, J. I. + 5=3888, Electronic states in crystals
Kruglov, S. P. + 5=10993, Calorimeter for bremsstrahlung energy
+Kruglykh, A. A. 5=14888, Gd and Dy vapour pressures
Krumhansl, J. A. 5=2202, Thermoelectricity and direct conversion
+Krumhansl, J. A. 5=3657. Boltzmann equation for phonons
Krummenacher, D. 5=11473, Isotopic analysis of argon
+ Krupicka, S. 5=7172, Induction in Mn—Cu ferrite
+Krupke, W. F. 5=4328, Tm and Er J levels in Y_2O_3
Krupnov, A. F. + 5=8036, Maser for 4 mm
Krush, I. I. 5=7754, Equilibrium of elasto-hereditary systems
+Krushinskii, L. L. 5=11481, Light scattering and fluorescence
+Kruskal, M. 5=14753, Motion of Vlasov plasmas
+Kruszewska, O. 5=6634, Si surface dislocations
+Krutelev, E. S. 5=12735, Hall effect in n-Ge
Krygier, E. + 5=5787, Optical pumping in Rb spectrum
+Krylov, G. N. 5=10036, Earth's radiation field
+Krylov, I. P. 5=6806, In spiral trajectories
+Krylov, K. I. 5=1873, Luminescence of ruby crystals
+Krylov, S. M. 5=7473, Natural electromagnetic field
Krylov, V. S. + 5=9078, Interphase surface tension
+Krylovich, V.I. 5=165, Heat conduction with moving boundary
Krymskii, G. F. 5=14455, Diurnal variation in cosmic radiation
Krynauw, G. N. 5=11492, Potential function of Z(XY), molecule
Krynauw, G. N. + 5=11539, Trigonal bipyramidal chlorides
Krypyakevých, P. I. + 5=3641, Rare-earth-Ga<sub>3</sub> compounds
+Kryukov, P. G. 5=14147, Calorimeter for lasers
Kryukova, I.V. + 5=1441, Catol infects in n-type silicon
+Kryukova, I.V. 5=15220, Recombination in n-Si
+Kryszewski, M. 5=5803, Scattering of electrons in rare gas
Kryszewski, M. 5=5965, Electron energy distribution in rare gases
Kryszewski, M. 5=11614, Absorption spectra of polystyrene
+Kryter, K. D. 5=7857, Articulation-testing methods
+Kryukov, P. G. 5=8068, Pulsed Q-switched ruby laser
Kryvohlaz, M.O. 5=15026, Phonon Green's function
Kryvs'kyi, I. Yu. 5=2388, Generalization of quantum mechanics
Krzhizhanovskii, R. E. + 5=172, Thermal conductivity of liquid
+Krzywdziński, S. 5=8499, High-energy nuclear jets
+Krzywicki, A. 5=825, Three-pion system
Krzywicki, A. 5=14279, Phase-space integrals
Krzycki, L. J. 5=10468, Force-cooled electromagnet
+Krzywicki, A. 5=10837, Exponential damping of particle momenta
Krzywoblocki, M. Z. 5=7763, Variable mass in general relativity
Ksanfomaliti, L. V. 5=15423, Photomultipliers in amplification Ku Chen-nan+ 5=6168, Thermal expansion of \rm H_2O^{18}
Ku, H. Y. 5=3724, Thermal oxidation of Si
Ku, H. 1. 3=3/24, Thermal oxidation of Si Ku Tze-ming. + 5=7946, Accuracy of direct vision, magnetometer Kuan, H. M. + 5=14533, N^{14}(p, n)O^{12} threshold Kuan Hsin-Min+ 5=5684, B^{10}(He^3, p_\gamma 15.1)C^{12}, B^{11}(d, n_\gamma 15.1)Cr^{12} and C^{13}(He^3, \alpha_\gamma 15.1)C^{12}
 +Kuan Wei-yen. 5=15296, Superconduction of Pb-Sb alloys
Kuang Yu-Ping 5=7101, Theory of ferromagnetic anisotropy
+Kubaschewski, O. 5=6287, Laves phase Cr2Ta
 Kubat, J. 5=15148, Stress relaxation in Cd, In, Pb and Su
Kubat, J. + 5=15172, Stress relaxation in Mo
+Kubat, J. 5=15180, Stress relaxation in polymers. IV
Kubatova, J. 5=9984, Electroluminescence of ZnS-Cu
+Kubiak, M. 5=5761, Mercury resonance line
 +Kubilyunene, O. 5=2126, Ultrasound speed in liquids
+Kubilyunene, O. 5=3331, US dispersion in liquids
Kubilyunene, O. + 5=6171, Measurements of ultrasonic velocity
Kubitschek, H. E. 5=4688, Coulter counters
+Kubo, K. 5=11411, Filament mount for mass spectrometer
Kubo, M. 5=9240, Measurement of surface roughness
Kubo, R. 5=4755, Wigner quantum operators
+Kubo, T. 5=5751, Zeeman transition in alkali atoms
+Kubota, S. 5=2861, U<sup>238</sup> fission by 55 MeV protons
Kubový, A. 5=12308, Measuring thermal conductivity
Kubÿshkin, V.V. 5=4547, Photoelectric photometer
Kučera, J. 5=6224, Evaporation rate of silver
Kučera, J. 5=12334, Ag self-diffusion
Kucharski, J. + 5=6191, Volatile oil solutions phosphorescence
Kucher, T. I. 5=3711, Diffusion from vapor to crystal
Kucherenko, E. T. + 5=14771, Pulsed gas admission to discharge
Kucherenko, Ye. T. + 5=5924, "Difficult form" of discharge
Kucherov, R. Ya. 5=8711, High temperature reactor
+Kucheryavenko, N.S. 5=14133, Spin-echo spectrometer
+Kuchitsu, K. 5=11500, Gas electron diffraction data
Kuchtina, I. + 5=8472, High energy K*-p interaction
+Kuchynka, M. Yu. 5=3399, Melting point of fibres
+Kuchynka, M. Yu. 5=3453, Density of synthetic polymers
+Kuchynka, M. Yu. 5=4287, Double refraction of fibres
```

Kuckes, A. F. 5=1117, Eigenfrequencies of plasmas Kuczkowski, R. L. 5=5872, Isomers of sulfur monofluoride +Kudinov, E. K. 5=12311. Thermal conductivity of MnTe +Kudman, I. 5=1649, Thermal properties of Ge-Si alloys Kudo, K. 5=813, Plane-grating monochromator +Kudo, Y. 5=11353, Direct interaction in $C^{12}(t, \alpha)B^{11}$ Kudrin, L. P. + 5=11701, Spectral lines in plasma +Kudryavtsev, A. M. 5=11762, Instability in k plasma Kudryavtsev, I. P. 5=1330, Texture of cold-rolled Si-Fe +Kudryavtsev, V. I. 5=10725, Automatic spectropolarimeter Kudzin, A. Yu. 5=3622, Impurities and BaTiO₃ Kuebler, J. + 5=12286, Entropy of solid Ar Kuehl, H. H. 5=11739, Waves in warm plasma +Kuehner, J.A. 5=854, Fluctuations in $C^{12}(C^{12}, \alpha)Ne^{20}$ Kuellmer, F. J. + 5=12014, Quartz-cristobalite transformation +Kugler, M. 5=10854, Field theory and dilatational symmetry Kuhi, L. V. 5=7578, Mass loss from stars Kuhl, W. 5=2130, Noise levels in studios +Kuhl, W. 5=10341, Sound absorption of chairs Kuhlmann, K. + 5=5907, Spin—spin coupling in BF₄ Kuhlmann-Wilsdorf, D. 5=12355, Interaction of vacancies in metals. II Kuhlmann-Wilsdorf, D. 5=12408, Stacking fault tetrahedra Kuhlmann-Wilsdorf, D. + 5=12409, Comment on paper by Cotterill and Doyama +Kühn, B. 5=11352, $C^{12}(d, \alpha)B^{10}$ reaction at 9.2-13.8 MeV Kuhn, H. G. 5=10681, High resolution spectroscopy Kuhn, U. + 5=13995, Paraelectric heating and cooling Kuhn, U. + 5=15374, Paraelectric OH⁻centres in KCl Kühn, V. + 5=1157, Electric conductivity of H Kuhn, W. + 5=14624, Isotope separation by diffusion +Kühnel, A. 5=14273, Strongly coupled Fermion fields Kuipers, M. 5=4729, Elasticity of foam materials +Kukharkin, N. E. 5=8711, High temperature reactor +Kukharskii, A. A. 5=7297, Optical constants of semiconductors Ku'kov, V. D. + 5=11966, Internal magnetic fields of W, Ru in Fe +Kukurezyanu, I. 5=11436, Magnetic resonance of 73S, Hg1 +Kulazhenkova, N. A. 5=909, Spectrum of Sm II Kuleshov, V. F. + 5=6048, Flute instability of plasma +Kulevskii, L. A. 5=5021, Spectrum of ruby laser Kul'gavchuk, V. M. 5=14890, Sublimation energy of metals Kuli-Zade, D. M. 5=4656, Fraunhofer lines in solar spectrum. I +Kulifav, S. M. 5=1576. Energy gap of β silver selenide Kuliasko, F. 5=6617-18, Impurities in well model Kulik, I.O. 5=6862 Criterion of superconductivity +Kulik, P. P. 5=3268, Thermal conductivity of a gas Kulikov, O. F. + 5=5304, Compton effect on moving electrons +Kulikov, G. S. 5=15077, Ag diffusion on Si +Kulikov, V. A. 5=15157, Annealing effects on Cu–Al +Kulikowska, T. 5=2866, Critical assemblies of NPY Kulkarni, P. V. 5=15706, Altitude of OI airglow layer +Kulmanen, E. V. 5=12413, Mosaic blocks and X-ray diffraction +Kuloor, N. R. 5=6080, Law of corresponding states +Kuloor, N. R. 5=9182, Dissolved gases in nucleate boiling Kulp, B. A. 5=12344, Defects in CdS crystals +Kulygina, M. N. 5=13796, Attachment of P. T. F. E. to metal +Kulymanov, A. V. 5=15554, Recombination radiation in InAs +Kulyukin, M. M. 5=8343, High-pressure streamer chamber + Kulyukin, M.M. 5=8446, Muon capture in He³ +Kulvukina, L.A. 5=667, Cascade interactions Kumagai, S. + 5=9964, Oxide films on Tantalum +Kumar, A. 5=11124, p-wave Λ - π phase shifts Kumar, D. N. 5=1312, Growth of KCl Kumar, K. + 5=5472, Nuclear potential energy +Kumar, K. 5=8510, Pairing-plus-quadrupole model +Kumar, N. 5=9812, Faraday rotation in ferrites Kumar, R.C. 5=569, p-p, π^{\pm} -p diffraction scattering Kumar, S. + 5=15449, Magnetic susceptibility and anisotropy in Co⁺⁺ ion Kumari, K.S. + 5=1669, Alloy junction A.F. transistors Kummer, W. + 5=2603, Isospin commutation relations Kummer, W. + 5=14284, Model of weak interactions Kump, J. H. 5=1755, Anisotropy fields of permalloy Kun, Z. 5=4357, KI:Tl i.r. stimulability +Kundt, U. 5=8450, Exchange in π^+ p \rightarrow p $\pi^+\pi^0$ at 4 GeV/c Kundu, M. R. 5=15891, Occultation by corona Kunev, S. + 5=9741, Electrical oscillations in CdS +Kŭnev, S. 5=9742, CdS photoelectric losses +Kung Fan-mei. 5=8466, K-K resonance +Kung Hsuch-hui. 5=8466, K-K resonance +K'ung Kuang-lin. 5=9273, Semiconductor impurity distribution Kunin, P. + 5=910, Na atom calculation

```
+Kunitomi, N. 5=4217, Antiferromagnetism in Cr-Mn alloys Kunitomi, N. + 5=6440, Neutron diffraction and scattering studies
     at J. A. E. R. I.
Kunitomi, N. + \, 5=7188. Neutron diffraction on manganese telluride +Kunitomi, N. \, 5=9821, Neutron diffraction study on chromium alloy
Kunitomi, N. + 5=12185, Reflectivity of neutrons by a crystal
+Kuniyoshi, H. 5=6229, Vapor pressure of ice
+Kunkel, W. B. 5=14722, H plasma spectroscopy
Kunnmann, W. + 5=12126, Growth of transition metal oxides
+Künstler, K. 5=9945, Luminescence of alkaline-earth oxides
+Kuntsevich, T.S. 5=1292, Shubnikov antisymmetry groups +Kuntze, M. 5=11268, \beta-decay of \Gamma^{130} \xi-approximation
Kunze, G. 5=3607, Corrections in powder diffraction
Kunze, G. 5=10667, Interference lines in diffractometers I
Kunze, G. 5=10715, Diffractometer interference lines,I
Kunze, G. 5=13107, CaO-Pr phosphors luminescence
Kunze, H. 5=8708, Reactor neutron diffusion
Kunze, H. J. + 5=6020, Measurements in 26 kJ \theta-pinch
+Kunze, I. 5=9909, In Ag halides Fe2+ absorption
Kuprianov, S. E. 5=14614, Detection of HeH2+ ions
+Kupriyanov, V. M. 5=14947, Measuring thickness of films Kutovoi, V. I. + 5=8373, Attenuation of {\rm Co^{60}}_\gamma and temperature
Kuo Chang-Lin. 5=3644, Identification of SiC polytypes
Kuo Chang-lin. + 5=6482, Polytypes in SiC
Kuo Chang-lin. 5=6484, Structure of SiC polytype 69R
Kuo Chang-lin. 5=9351, SiC polytypism
+Kuo Ch'i-ch'ien. 5=10506, Cyclotron source of Ne ions
Kuo Chu-kun. + 5=6278, BeP-rare-earth-sesquioxide systems
+Kuo, C. K. 5=12904, Hysteresis loop tracer
Kuo, E. Y. T. 5=2118, Wave scattering and transmission
Kuo, L. G. + 5=1113, Larmor radius for mirror machines Kuo, T. K. + 5=5191, Mass formulas in SU(6)
Kupecek, P. 5=937, Rotational spectra of molecules
Kuper, A. B. 5=4066, Ge p-n-p diffused-base transistors
Kuperus, J. + 5=5688, Protons from \alpha-bombardment of Na<sup>23</sup>
Kupradze, V.D. 5=7734, Limiting problems
Kupriyanov, S. E. 5=11663, Ionization of air
+Kurakin, A. K. 5=1438, Diffusion of Fe in Al
+Kuraschov, A.A. 5=670, Light neutron nuclei
Kurashov, A. A. 5=10438, Pulse generator as frequency divider Kurata, M. + 5=1020, Friction constant of polymers
+Kurata, M. 5=11617, Light scattering from polymers
+Kurbaniyazov, N. 5=1613, Hall effect in ferromagnetic metals
Kurbanov, Kh. M. + 5=12194, Crystal structure of CaNa[B<sub>5</sub>O<sub>7</sub>(OH)<sub>4</sub>].
      3H,O
Kurdgelaidze, D. F. 5=13674, Cosmology and particles
Kurdiani, N. I. + 5=13054, Reflection spectrum of InSb
Kurenskii, L. V. + 5=4191, Magnetic reversals in Fe films
+Kurfess, J.D. 5=2754, 100 keV state in W182
+Kurfess, J. D. 5=5557, 111-keV 2+ state in tungsten-184
Kurfman, V. B. 5=12521, Surface effects, slip in MgAg
Kurik, M. V. + 5=12870, Magnetic susceptibility of CdS
+Kurilchik, V.N. 5=4603, Radio sources at 32 cm
+Kurilko, V.I. 5=10534, E.M. waves in nonlinear medium
+Kurilo, P. M. 5=6925, Hall effect anisotropy in p-type Ge
+Kurilo, P. M. 5=12748, Hall coefficient of Si
Kurita, Y. 5=3077, Radical pairs in irradiated dimethylglyoxime
+Kuritsyna, E. F. 5=15280, Galvanomagnetism in ferromagnetic
     films
Kurki-Suonio, K. + 5=9355, Structure amplitudes of NaCl
Kurki-Suonio, K. 5=13883, Graphs in many body theory
+Kurkin, I.N. 5=7231, Gd<sup>3+</sup> e.s.r. in BaF<sub>2</sub>
+Kurkin, I. N. 5=12973, E. P. R. of Ce<sup>3+</sup> in crystals
Kurkin, I. N. + 5=12982, E. P. R. of Gd<sup>3+</sup> in PbMoO<sub>4</sub>
Kurkin, I. N. + 5=12987, E. S. R. of Nd3+ in PbMoO4
Kurkin, V. P. 5=13937, Sound generation in gas-jet
Kurnit, N. A. + 5=10625, Photon echo
+Kurnosova, L. V. 5=5470, Nuclear component of cosmic rays
Kurochkin, N.V. 5=4696, Ultrasonic processing
Kuroda, K. + 5=8412, p—d scattering at 155 MeV
Kurosawa, T. 5=6625, Dislocation mechanics Kurosu, T. + 5=5722, Liquid flow neutron monitor
Kurov, G. A. + 5=12133, Growth of epitaxial Ge
+Kurov, G. A. 5=14953, Epitaxy of Ge films
+Kurov, I.E. 5=15134, Lifetime of metals
+Kuroyanagi, T. 5=5638, Proton bombardments and states in Ba<sup>130</sup>
Kurskii, Yu. A. 5=12568, Thermal trapping in semiconductors
Kurti, N. 5=2212, Strong magnetic fields
+Kurtmullaev, P. Kh. 5=1089, Shock waves in plasma
Kuru, I. 5=4022, Microwave emission from GaAs
Kurz, G. + 5=4316, Optical absorption in KBr
+Kurzhunov, V. V. 5=173, Combustion of gas mixtures
```

```
Kur'yanov, B. F. 5=13955, Scattering of waves
 +Kurylenko, C. 5=9992, Fluorescence of zircons
Kurzweg, U. H. 5=10511, Hydromagnetic fluid convection
Kusčer, I. + 5=8432, One-speed transport theory
+Kusch, S. 5=12841, Field electrons from silicon
Kushida, T. + 5=12998, N. M. R. in CdS
Kushida, T. 5=13028, Laser-induced temperature radiation
+Kushida, T. 5=14162, Spectra in GaAs laser
+Kushta, G. P. 5=6556, Debye temperature of gold
+Kushta, H. P. 5=3664, Thermal crystal lattice vibrations
+Kushwaha, R. S. 5=13718, Shocks in a \beta-cephei star
Kuska, H. A. + 5=3416, ESR of CN and F transition metal
     complexes
Kuss, E. + 5=9113, Kerr constant for liquids
Kussman, A. + 5=12924, Magnetic properties of FePd phases
+Kusstatscher, P. 5=2576, Spark chamber for γ-rays
Kustaanheimo, P. 5=10261, Relativistic Kepler motion
Kusuhara, S. + 5=4379, Triplet states of aromatics
Kusuhara, S. + 5=4411, Photoreactive state of anthracene
+Kusumoto, H. 5=13010, N. M. R. in VO<sub>2</sub>
+Kusumoto, O. 5=11076, Four-momentum transfer
Kutasov, V. A. [Ed.]. 5=4101, Thermoelectric semiconductors
+Kutasov, V. A. 5=15059, Thermal conductivity of Bi<sub>2</sub>Te<sub>3</sub>
Kutateladze, S. S. + 5=1149, Friction of gases
+Kutayeva, L. P. 5=7137, Domain growth in Mg<sub>3</sub>Cd
Kutev, Yu. M. 5=10698, Emission pulse lamp
Kuthe, R. + 5=3123, Thermodynamics of air
Kutka, J. + 5=15080, Diffusion in U-Zr system
+Kutkin, I.S. 5=3827, Crack propagation
+Kutsuwada, T. 5=7935, M.H.D. power generator. II
Kuttner, P. 5=8426, Neutron diffusion
Kuttruff, H. 5=4812, Electroacoustically coupled rooms
Kuvaldin, É. V. 5=14344, Pulse evaluation
+Kuvshinskii, E.V. 5=3479, Vitrification of polystyrene and poly-
     vinyl acetate
Kuwabara, G. 5=15507, E. S. R. of V2+ in NaCl
+Kuwabara, S. 5=12150, Thermal changes in corundum structure
Kuz'ma, Yu. B. + 5=3650, Crystal structures of rare-earth-
Kuz'menko, P. P. + 5=3323, Transfer of Ag in Pb and Co in Sn +Kuz'menko, P. P. 5=14846, Mobility of impurities in liquid Sn
Kuz'menko, P. P. + 5=15161, Photomechanical effect
Kuz'min, A. A. + 5=11955, Vapour pressure of Ti in Ti-Nb
Kuz'min, A. A. 5=14814, Ultrahigh-vacuum apparatus
+Kuz'min, A. M. 5=8714, Effect of geometry of a reactor
+Kuz'min, E. V. 5=7111, Magnetoelastic oscillations in film
+Kuz'min, R. N. 5=11980, Mossbauer effect on Pd-Sn
+Kuz'min, V. N. 5=10957, Magnetic field in synchrotron
Kuz'minov, Yu. S. 5=1764, Garnet ferrites
Kuznetsov, B. A. 5=9572, Plastic deformation of polycrystals
+Kuznetsov, G. F. 5=2553, Linear electron accelerator
+Kuznetsov, G. F. 5=3455, Polygonization of aluminium
+Kuznetsov, G. F. 5=9219, Al recrystallization, polygonization
+Kuznetsov, V. I. 5=5812, Isotope 104<sup>260</sup>
+Kuznetsov, V. I. 5=8685, Synthesis of element 104
Kuznetsov, V. N. 5=15174, Δ E-effect in ferrites
Kuznietz, M. + 5=9861, NMR in Co powder and sheets
+Kuzovnikov, A. A. 5=215, Charged particles in magnetic field
+Kuzuu, H. 5=15082, Diffusion and precipitation of He in Zr
+Kuzyakov, Yu. Ya. 5=3005, Infrared spectrum of F,NNF2
Kventsel', G. F. + 5=3943, Energy of surface excitons
Kventsel', G. F. 5=15242, Surface exciton states
Kvist, A. 5=7027, Thermoelectric power of silver iodide
Kvist, A. + 5=1689, Thermoelectric power of lithium sulfate
Kvist, A. + 5=11906, Molten Li<sub>2</sub>MoO<sub>4</sub> conductivity
Kvlividze, V.I. 5=3376, Proton magnetic resonance in H<sub>2</sub>O on
     Si gel
+Kwan Sik-hung. 5=3998, Surface currents in superconductor
Kwiram, A. L. + 5=4002, Quantised flux state ~10^{-5} sec Kwiram, A. L. + 5=12996, Adipic acid ENDOR
+Kwok, K. L. 5=374. Resonance scattering theory
+Kwok, A. 5=3367, Free radical spin exchange
 +Kycia, T. F. 5=11086, Pion-proton cross-section
 +Kyser, D. F. 5=7416, Thermal decomposition of GaAs
+Kyser, D. F. 5=12761, Zn diffused GaAs p-n junctions

Kyser, D. F. 5=1298, Etching of GaAs

Kyser, D. S. + 5=9152, Hall effect in solutions
 Kyu Shin Hyung. See Hyung Kyu Shin
```

Laaspere, T. + 5=15676, Whistler echoes +Labarre, J. F. 5=5877, Absorption bands of alipliatic compounds Labbé, J. P. 5=2998, I. R. spectroscopy of germanates

```
Laberrigue, A. + 5=4921. Superconducting coils in electron
   microscopy
+Laberrigue-Frolow, J. 5=603, \pi^+d interactions at 4.5 GeV/c
+Labes, M. M. 5=1658, Conductivity of complexes
+Labes, M. M. 5=9407, Self-diffusion in anthracene
+Labeyrie, J. 5=15646, Pb210 in Antarctic
Laborde, G. + 5=13774, Corona at eclipse of 15/2/61. I.
Labro, M. + 5=4161, Cu-Be Susceptibility measurements
+Labuda, E.F. 5=274, Frequency stabilization of gas lasers
+Làbuşca, E. 5=1759, Thermomagnetic hysteresis in ferrites
Lăbuscă, E. + 5=3789, n-irradiation of ferrites
+Laby, J. E. 5=660, Sampling at different altitudes
+Lacey, R. F. 5=13701, Soft X-ray telescope
+LaChapelle, T. J. 5=9686, Au in Si; effect on resistivity
Lachinov, V. M. 5=14332, High counting rate scaler
 +Lacklison, D. E. 5=15277, Thermomagnetic figure of merit of
      graphite
+Lacombat, M. 5=7361, Population variations in ruby Lacombe, M. + 5=2590, Electroproduction at high energies Lacombe, M. 5=5331, Theory of N + N interaction
Lacombe, M. + 5=11121, \Lambda^{\circ} \beta decay
+Lacombe, P. 5=1551, Plastic deformation of \alpha-uranium
+Lacombe, P. 5=6584, Fe<sup>59</sup> diffusion in Co
 +Lacombe, P. 5=12654. Electrical resistivity of o-U
+Lacombe, P. 5=12004, Electrical resistivity of a 5+Lacombe, P. 5=14996, Calcination kinetics of UO<sub>2</sub>+Lacombe, P. 5=15072, Grain boundary self-diffusion in Fe
Lacoude, M. + 5=6298, δ-ferrite in Fe-Cr alloys
 Lacoude, M. + 5=6299, Martensitic transformation in Fe-Cr
+Lacroix, A. 5=3336, Optical absorption of molten salts
 +Lacroix, R. 5=7219, Cr e.s.r. in chelate
+Lacroix, R. 5=15493, E. S. R. of Cr diethyldithiophosphate
 Lacy, E. D. 5=12016, Configuration change in silicates
 +Ladage, A. 5=11262, Mott asymmetry at 100 keV
 Ladany, I. 5=14159, Some observations on triangular GaAs lasers
 Lade, R.W. 5=1661, Junctions in silicon
 Lade, R. W. 5=12700, Degenerate semiconductors
 Ladik, J. + 5=12601, Energy-band for DNA models
 +Lado, F. 5=6056, Distribution functions of fluids
 +LaDriere, M. L. 5=2359, Human fovea
+Ladyzhenskii, P. B. 5=11997, BiFeO<sub>s</sub>-LaAlO<sub>3</sub> system
 +Ladyzhinskii, P. B. 5=1268, Phase diagram of PbTiO3-BiFeO3
 Lafargue, C. + 5=9168, Dielectric properties of emulsions
Lafferty, W.J. + 5=973, Spectra of C<sub>2</sub><sup>12</sup>H<sub>2</sub>, C<sup>12</sup>C<sup>13</sup>H<sub>2</sub> and C<sub>2</sub><sup>13</sup>H<sub>2</sub>
 +Laffitte, P. 5=5850, Band spectrum of No.
 +LaFleur, W. J. 5=9281, Supercooling in crystal growth
 +Lafont, R. 5=1834, Polarizability of OH oscillator in
       Hambergite
+La Force, R. C. 5=259, N.M.R. absorption circuit
La Force, R. C. + 5=9862, Ferromagnetic alloys n. m. r. spectra
 +Laforce, R. P. 5=12395, Si-Fe dislocation mobility at 20°K
 Laforgue-Kantzer, D. 5=1205, Mangetoelectric effect
+Lafoucrière, J. 5=813, (n, \alpha) Angular distributions
+Lafoucrière, J. 5=5326, Trochoidal \beta-spectrometer
 +Lafoucriere, J. 5=14368, Tube for accelerator
 +Lagarde, J. L. 5=7361, Population variations in ruby
 +Lagasse, A. 5=4218, Antiferromagnetic cobalteous oxide
Lagasse, J. + 5=6986, Silicon transistors with plane structure
 Lagercrantz, C. + 5=3363, Holders for aqueous solution cells Lagnaux, J. P. + 5=5499, Decay of heavy hypernuclei
 +Lagunova, T.S. 5=6936, Impurity zone in n-InP crystals
 +Lahiry, S. 5=12875, Magnetic properties of Cs2CuCl4
 +Lai, K.W. 5=2658, Decay modes, properties of X°
 +Lai, K.W. 5=2689, Existence of Ω-hyperon
 +Laidler, K. J. 5=13142, Statistical factors in rate theory
 +Laikhtman, B. D. 5=15041, Sound waves in piezoelectric crystals +Laikhtman, D. L. 5=1932, Atmospheric heat conduction. I
 +Laikhtman, D. L. 5=15659, Turbulence in atmosphere
 Lainer, D.I. + 5=1438, Diffusion of Fe in Al
Lainer, D.I. + 5=9737, Stable n-type thermoelements
 Laitone, E.V. 5=3250, Tricomi's transonic approximation +Laity, R.W. 5=7437, Cation mobilities in KCl—LiCl
 Lajzerowicz, J. + 5=6332, Water adsorbed on ionic crystals
 Lajzerowicz, J. 5=7922, Dipole coupling
 Lajzérowicz, J. 5=12211, Structure of Barysilite: MnPba. 3(Si2O7)
Lakatos, G. + 5=3104, Moving striation processes +Lakatos, G. 5=8924, Anode fall of discharges
Lakatos, G. + 5=11636, Moving striations +Lakshminarayana, V. 5=785, Cross-sections of \gamma-rays
+Lakshminarayana, V. 5=787, Cross-sections of \gamma-rays+Lakshminarayana, V. 5=5586, Decay of Nd<sup>147</sup> and Tb<sup>160</sup>
 +Lakshminarayana, V. 5=8620, Scattering of 1.12 MeV gamma
```

```
Laktionov, A. G. 5=7478, Light scattering and aerosols
Lal, H. + 5=10415, Measurement of small currents
Lal, K. 5=3244, Rotating sphere in a fluid
+Lal,M.M. 5=12558, Damping of Indian timbers
+Lal. P. 5=3898. Auger recombination in semiconductors
Lal, P. 5=7103, Nuclear ferromagnetism perturbation theory
Lála, P. + 5=13637, Review of satellites and space probes
+LaLancette, E. A. 5=3066, NMR shifts in metallopyrromethenes
      porphyrins
Laletin, N. I. 5=8707, Distributions of neutrons in reactor
Lalitha, D. V. + 5=9199, N. Q. R. in chrysoberyl
Lall, A. B. + 5=357, Spectral sensitivity of crab
+Lallement, R. 5=6661, Dimensions of \alpha-plutonium
+Lalykin, S. P. 5=8711, High temperature reactor
Lam, C.S. 5=2392, Class of Thirring models
Lam, L.Y. 5=4789, Shock tube flow
Lam, S. H. 5=8988, Unified theory for Langmuir probe
La Mar, G. N. 5=3064, Isotropic shifts of Co and Ni complexes
+Lamatsch, H. 5=3938, Surface states on clean silicon
Lamb, G. J. Jr. 5=14703, Correlation function for plasma
+Lamb, J. 5=1174, Viscoelastic relaxation of liquids
+Lambe, J. 5=1809, Electron-nuclear double-resonance
+Lambe, K. A. D. 5=12176, A diffraction geometry suitable for
      high and low temperature single crystal work
Lambert, G. + 5=15646, Pb<sup>210</sup> in Antarctic
+Lambert, J. B. 5=8882, N<sup>15</sup> magnetic resonance. II. Coupling
Lambert, J. D. + 5=1015, Vibrational energy between molecules
+Lambert, M. 5=15116, Colour centres in irradiated LiF
+Lamble, J. H. 5=12550, Bending fatigue of ductile metals
+Lamborizio, C. 5=5378, Scattering of BeV/c \mu<sup>-</sup>in emulsion
 Lambrecht, H. + 5=13732, Astrophysical aspects on astronautics
 +Lami, H. 5=13096, Emission spectra of organic
      scintillators
+Lamikhov, L. K. 5=12224, Structure of Sc aluminides
Lamola, A. A. + 5=11553, Excitation energy of azulene
 Lamorte, M. F. + 5=10633, C.W. operation of GaAs lasers
 +Lampert, G. 5=15273, Recovery of electrical resistance in
      quenched Cu
Lampert, M. A. + 5=1555, Space-charge-limited currents
+Lampert, M. A. 5=9590, Quantum plasma conductivity tensor
Lampis, G. + 5=8066, Pump energy absorption in ruby
Lanchon, H. + 5=14788, Weakly divergent flows
Lancucki, C. J. + 5=4853, Programme temperature controllers
 Land, C. C. + 5=14934, Pu-Si system
+Land, C. C. 5=15054, Thermal expansion of PuC and UC—PuC +Land, D. J. 5=5412, p-wave equation for \pi-\pi scattering
 Landé, A. 5=10750, Quantum fact and fiction
Lander, J. J. + 5=3482, Structure of graphite
Lander, J. J. + 5=4395, Surface reactions of Si with Al and In
+Lander, R. L. 5=600. \rho-exchange in \pi^* + p \rightarrow N<sub>33</sub>*++ + \pi^0 Lander, R. L. + 5=5401, 2\pi structure in A meson Lander, R. L. + 5=11359, Deuteron stripping
 Landini, M. + 5=7653, Solar monitoring satellite NRL 1964 1D
Landini, M. 5=7668, Solar radio sources
+Landis, D. A. 5=5267, Z=1, 2 particle identifier, >10 MeV
 +Landis, D. A. 5=14388, Particle identifier technique
 +Landis, F. 5=10364, Heat conduction problems
 Landis, V. J. + 5=10897, G. M. counter
Landsberg, P. T. + 5=3898, Semiconductor Auger recombination
 Landsberg, P. T. 5=7382, Semiconductors radiative recombination
 +Landsberg, P. T. 5=12572, Carrier concentrations in semi-
      conductors
 +Landshoff, P. V. 5=5242, Poles in the S-matrix
 +Landsman, A. P. 5=15406, Photoelectric p-n junctions
Lane, A. M. + 5=772, Distribution of absorption potential
 +Lane, A. M. 5=5620, Reactions with analogue state resonances
+Lane, H. L. 5=147, Variability hypothesis in category scaling
+Lane, N. F. 5=8773, Excitation of Na
Lane, R. O. + 5=5645, Neutrons scattered from Li<sup>6,7</sup>
+Lane, R. O. 5=11322, Neutron scattering near A = 20
 +Lanfredi, A. M. 5=12241, Crystal structure of Bis(hydrazine)
      zinc isothiocvanate
 Lang, A. R. 5=3738, Structure for N plates in diamond +Lang, A. R. 5=9293, Structure of coated diamonds
 Lang, A. R. + 5=9470, Dislocations in magnesium oxide
 +Lang, A. R. 5=12151, Topography of synthetic diamonds
 +Lang, H. 5=9943, Luminescence in Ca-Bi-Tl-phosphate
 +Lang, I. 5=10927, Pulse time-amplitude analyzer
 +Lang, J. 5=7031, CdS photocurrent
+Lang, J. 5=15357, CdSe—Se barrier layers
 Lang, S. M. 5=12301, Thermal expansion of ZrO<sub>2</sub> Lange, F. 5=2214, Superconducting magnets
 +Lange, H. 5=204, Small sample susceptibility determination
```

```
Lange, R. V. 5=10278, Non-relativistic Goldstone theorem
+Lange, T. I. 5=6720, InSb and Sb Photomechanical effect
Lange, V. N. + 5=6720, InSb and Sb photomechanical effect +Lange, W. 5=9410, Co—Ni alloys self-diffusion
Lange, W. + 5=15068, Self-diffusion in cobalt
Langenberg, D. N. + 5=3956, Cyclotron resonance in Au
+Langer, D. W. 5=7032, Oscillatory photoconduction in CdS
Langer, J.S. 5=11924, First-order phase transition
 +Langer, R. 5=12257, Crystal structure of CH<sub>3</sub>N<sub>2</sub>OK
+Langer, S. 5=3476, Modifications of ThC2
Langford, T.L. + 5=134, Effect of noise on binaural hearing +Langheinrich, D. 5=3536, Twins in Fe and Fe alloys Langhoff, H. 5=5558, Resonance fluorescence in Ir<sup>191</sup>
Langlet, G. 5=12193, Structure of caesium monoaluminate
Langley, R. A. + 5=1061, Ion and electron production. I
 +Langley, R. A. 5=1062, Ion and electron production in gases. II
Langmann, H.J. + 5=8315, Semiconductor detector preamplifier
+Langner, H. 5=4415, Ion exchange membranes
Langreth, D. C. 5=9606, Lee-Low-Pines polaron
 +Langsdorf, A., Jr. 5=5645, Neutrons scattered from Li<sup>6,7</sup>
+Langsdorf, A., Jr. 5=11322, Neutron scattering near A=20 +Langsford, A. 5=8424, n-n[d] Total cross-section
 +Langstroth, G. F. O. 5=3957, Positron annihilation in metals
 +Laniepce, J. 5=13156, Thermolysis of CaC<sub>2</sub>O<sub>4</sub> hydrates
 Lánik, J. 5=5224, Singularity of Jost functions
Lanius, K. 5=2636, \pi p Interactions
+Lanius, K. 5=5390, \pi + N at 7.5 GeV
+Lanou, R. 5=2576, Spark chamber for \gamma-rays
 +Lanou, R. E. 5=5398, \pi^- + p \rightarrow \eta^0 + n to 1151 MeV
+Lanou, R. E. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV +Lanou, R. E. 5=11019, N_{33}^* (1238), \rho^\circ production
+Lanou, R. E. 5=14434, \pi p charge exchange
Lansing, D. L. + 5=2104, Oscillating air pressures
 +Lanza, R. 5=2558, Fractionally charged particles
Lanzano, P. 5=13694, Attracting spheroidal bodies Lapides, I. L. 5=4534, Regions with elevated \nu density
+La Pierre, R. L. 5=14345, Pulse-height-recording
Lapin, A.D. 5=2116, Sound scattering
La Placa, S. J. + 5=12261, Crystal structure of tristriphenyl-
      phosphine rhodium carbonyl hydride
Lapointe, S. M. 5=2702, Nucleonic component of cosmic rays
 +Laposa, J.D. 5=14662, luminescence of aromatics
Lápourte, S. M. 5=13595, Recurrent geomagnetic storms
+Laptei, D. A. 5=7159, Domain-structure of ferrite films
+Laptyi, S.V. 5=4296, Optical properties of Sb<sub>2</sub>Se<sub>3</sub>
Lardner, R. W. 5=5228, Meson-baryon scattering
+Laredo, E. 5=12235, UO2 structure after quenching
Larikov, L.N.+ 5=1308, Recrystallization nuclei in Ni
+Larikov, L. N. 5=3468, Deformation and recrystallisation of Ni Larikov, L. N. + 5=14915, Ageing of Pb—Cd alloys Larinov, M. M. 5=3162, Thermal radiation from a plasma
+Larionkina, L. S. 5=6942, Electrical properties of Se
+Larionov, M. M. 5=1130, Temperatures of plasma
+Larionov, M. M. 5=11764, Electron energy in "Alpha"
+Larionova, L.S. 5=3338, Liquids in electric fields +Larionova, V.G. 5=5384, \gamma\text{-production} of \pi
+Lark, N. L. 5=11375, Heavy-ion nuclear reactions
Larkin, A.I. + 5=1628, Nonuniform state of superconductors
Larkin, A. I. 5=12670, Superconductors in magnetic field
Larkin, F. M. 5=1114, Conductor for producing magnetic well
Larkin, F.S. + 5=7422, Recombination of H atoms in atmosphere
Larks, L. 5=2324, Optometer detector module
Larmore, L. + 5=7677, Technique for chromospheric observations
Larner, E. E. 5=3386, Electron microscopy of NaCl aerosol
 +Larrabee, J. C. 5=7507, UV absorption of N2 and O2
+Larrabee, J. C. 5=8923, He continuum afterglow
 +Larrsen, P. A. 5=6304, MoSi_2/Mo and WSi_2/W systems
+Larsen, P.S. 5=3293, Dynamics of gas-vapour bubbles
Larsen, R. N. 5=14025, Transistor biased amplifier
Larsen, R. N. + 5=14327, Time marker circuit
Larsen, T. L. + 5=9575, Dynamic mechanical properties of Ag-Al
Larson, A.C. + 5=1365, Crystal structure of Ce-Pu-Co
Larson, A.C.+ 5=12217, PuGa, high temperature structure Larson, D.C.+ 5=6848, Resistivity of Ag films
Larson, D. C. + 5=12652, Ag film magnetoresistance Larson, T. J. + 5=13230, Stratosphere and mesosphere densities
+Larvor, M. 5=15573, Au films u. v. optical constants
Lascody, D. N. 5=13650, Interplanetary transfers
Lascombe, J. + 5=8843, Molecular vibrations in solutions
+Lascombe, J. 5=11576, Phenol solution complexes
Lasek, A. 5=4787, Detachment of shock wave
+Lasher, G. J. 5=13049, GaAs injection laser
```

```
Lashinsky, H. 5=1124, Plasma instabilities
Lashkarev, G. V. 5=12810, Thermoelectric properties of semi-
      conductors
Lashko, N. F. + 5=3633, Structure of Mg-Ce and Mg-Nd Laskar, A. L. 5=6580, Double-stream diffusion
Laskar, W. 5=11080, \pi angular distribution from \pi + p
Laslett, L. J. + 5=14374, Instabilities in particle accelerators
Lassettre, E. N. + 5=2901, Excitation of 1 ^{1}S \rightarrow 3 ^{1}S in He
+Lassettre, E. N. 5=2953, The X^1\Sigma \rightarrow A^1\Pi transition in CO
+Lassettre, E. N. 5=5849, Electron-impact spectra
Lassettre, E.N. + 5=14605, Electron impact spectrum of N
+Lastovka, J. B. 5=6179, Brillouin scattering in liquids and solids
Laszlo, P. + 5=3370, Solvent effects in n.m.r. II
Laszlo, T. S. + 5=10350, Emittance measurements of solids
Lateef, M. A. 5=13246, Energy budget in stratospheric warming
Latham, J. 5=9079, Drops falling in electric fields
Latham, J. + 5=13277, Electrification by ice-hail collisions
+LaTourrette, J. T. 5=2290, He-Ne gas laser
+LaTourrette, J. T. 5=14096, Discussion on resonators
Latter, R. 5=2879, Thomas-Fermi-Dirac atom model
+Latter, R. 5=13666, Nuclear explosions in space
Lau, E. 5=8157, Black and white negatives
Lau, W. T. F. 5=9025, Stagnation point flows
Laubitz, M. J. 5=10363, Thermal conductivity measurement II Laufer, A. H. + 5=7348, LiF, CaF_2 BaF_2, U. V. transmittance Laufer, E. E. + 5=12386, Fatigued Cu dislocations
+Läuger, P. 5=14624, Isotope separation by diffusion
Laughlin, C. + 5=15237, Ca+ impurity in sodium chloride
 +Laughlin, C. D. 5=13647, Geophysical studies. I
+Laugier, J. 5=12020, Polymorphism of powdered U
+Laulicht, I. 5=5852, Absorption bands of 16O2 and 18O2
+Laurance, N. 5=1809, Electron-nuclear double-resonance
+Laurat, M. 5=11324, Cross-section of silicon for neutrons
Laurent, B. + 5=11109, K° decay
Laurent, G. + 5=13603, PC 1 geomagnetic oscillations
+Laurent, J.P. 5=6183, Magneto-optics of BF3, BU3 solutions
+Laurent, J. P. 5=11501, Diamagnetism of B compound bonds
+Laures, P. 5=2284, IR gas laser transitions
+Laures, P. 5=14156, Ne, Ar, Xe u.v. lasers
Laurie, P.S. 5=7669, Solar activity (1963)
+Laurie, V. W. 5=11912, ESR of FeCl_in nonaqueous solution
Lauriente, M. + 5=1452, Faults in epitaxial silicon
Laurikainen, K. V. + 5=11018, Nucleon core phenomena. II
Lauritzen, P.O. 5=6984, Noise in field-effect transistors
Laussermair, F. 5=13892, Transport equation
Laustriat, G. + 5=13096, Emission spectra of organic
     scintillators
 +Lautenschlager, E. P. 5=6722, Strain hardening of iron alloys
Lauterbur, P. C. 5=9865, Co<sup>58</sup> magnetic shielding in K<sub>8</sub>Co(CN)<sub>8</sub>
Lauterbur, P. C. + 5=9869, <sup>207</sup> Pb magnetic shielding in PbMoO<sub>4</sub>
+Lautz, G. 5=9677, Potential distribution in Ge
Lautz, G. 5=12634, Quantum theory and electricity
+Lavakare, P.J. 5=11153, He3 primary cosmic rays
Laval, G. + 5=6041, Stability of solutions Vlasov equation
+Laval, G. 5=9005, Stability of plasma
Laval, G. + 5=14766, Stability of cylindrical constrictions
Lavatelli, L. 5=2026, Pythagorean numbers
Laverriere, R. 5=8449, \pi-N interaction by meson exchange +Lavery, B. J. 5=11599, Deuteromethane n.m.r. isotope shift
Laves, F. + 5=1255, Phase of Nb. O.
+Laves, F. 5=1274, Polytypism and polytropism of tridymite Laves, F. + 5=1376, High-pressure form of FeVC<sub>4</sub> +Laves, F. 5=12009, Phase transitions in LiAl<sub>5</sub>O<sub>8</sub>
+Laville-Saint-Martin, B. 5=9244, Cu oxide films by sputtering
Lavine, J. M. 5=6980, Emitter metal-base transistor
Lavine, J. M. + 5=10630, Multimode behavior of GaAs lasers
+Lavine, M.C. 5=3558, Regrowth during interface-alloying
Lavoie, L. + 5=513, Spark chamber pulsing
Lavrent'ev, F. F. 5=3763, Twinning dislocations in Zn, Bi and Sb
Lavres, P. + 5=5005, Laser radiations in ionized xenon
+Lavrov, I. A. 5=11835, Viscosity of liquid
Lavrov, O. V. + 5=14080, Fast vacuum slide gate
+Law, J. 5=2528, Ferrous sulphate dosimetry
+Law, M. E. 5=5398, \pi^- + p \rightarrow \eta^{\circ} + n to 1151 MeV +Law, M. E. 5=10981, \gamma-p Interactions, 0. 5-4. 8 BeV
 +Law, M. E. 5=11019, N_{33}^* (1238), \rho^{\circ} production
+Law, M. E. 5=14434, \pi^- p charge exchange
+Law, T. J. 5=9246, Au and Ag films
Lawargren, B. 5=5529, Isobaric state in 27Al
 +Lawden, M. D. 5=13516, Analysing F-region with overlays
Lawless, W. N. 5=1443, Self-diffusion in Pb
+Lawley, A. 5=6610, Vacancies in Mo
```

Lawley, A. + 5=9472, Deformation structures in Mo Lawley, A. + 5=9473, Prismatic loops in Mo Lawn, B.R. 5=1425, Thermal expansion of AdI Lawn, L. + 5=3288, Thermistor flowmeter +Lawrance, J. J. 5=314, I.R. cell for gas adsorption Lawrence, D. E. 5=14439, N* resonances Lawrence, G. M. + 5=11431, Oscillator strengths of elements Lawrence, J. D., Jr. + 5=13468, Variations of satellite scintillation Lawrence, J. E. + 5=14991. Si films for imperfection analysis +Lawrence, P.E. 5=15015, MnO and EuTe lattice distortions +Lawrence, R. 5=2990, Rotational relaxation in CO₂ and N₂O +Lawrence, W. G. 5=3862, Elastic moduli of MgO. II +Lawson, A.W. 5=256, Microwave cavity for magnetic resonance +Lawson, A. W. 5=3997, Superconducting gap in In, Bi Lawson, A. W. + 5=6150, High-pressure properties of water Lawson, A. W. 5=6600, Diffusion in solids +Lawson, A. W. 5=15317, As—Sb electrical properties +Lawson, E. M. 5=8462, π^+ detection in e and γ backgrounds Lawson, P. A. + 5=6096, Electron diffusion in hydrogen Lawson, R. P. W. + 5=6614, Radiation damage calculation Lax, E. + 5=15305, Tunneling in superconductors +Laxpati, S. 5=10559, Propagation in a wave guide +Layson, W. M. 5=11026, N isobar production by 7.1GeV p +Layton, R. G. 5=9279, AgI activation in ice nucleation Layzer, A. J. 5=10293, Many-fermion systems Layzer, D. 5=13502, Theory of sporadic E Layzer, D. 5=13505, Theory of sporadic E Layzer, D. + 5=14125, Ionospheric cross modulation +Lazar, N. H. 5=8932, Arc flute stabilization +Lazar, N. P. 5=9973, ZnS electroluminescence, e-emission +Lazarev, B. G. 5=6561, Electronic thermal expansion of Fe +Lazarev, S.D. 5=1687, Photopiezoelectric effect in semiconductors Lazarev, Yu. A. 5=8859, The chemical bond in hydrocarbons +Lazarovici, C. 5=739, Intercomparison of radioactivity standards 1961-1963. +Lazarus, A.J. 5=4346, Fluorescent decay of CsI(Tl) +Lazovskaya, V. R. 5=2103, Hg vapour in shock tube +Lbov, A. A. 5=11382, Fission product yields +Le, B. 5=5898, Spin-lattice relaxation of n-paraffins +Lea, A. T. $5=5408, \pi$ -N phase shifts +Lea, R. M. 5=11036, Antiproton-proton interactions Leach, S. + 5=9993, Fluorescence of $C_8H_5CH_2$, $C_6H_5CD_2$ and $C_6D_5CD_2$ +Leachman, R. B. 5=5692, $C^{12}(C^{12},\alpha)Ne^{20}$ cross section Leachman, R. B. + 5=8696, Fission fragment anisotropies +Leachman, R. B. 5=8697, Fission mass yields
Leadbetter, A. J. + 5=9094, Density, surface tension of Xe Leadbetter, A. J. + 5=11870, C2H6 and N2O density and surface tension +Leak, G. M. 5=12324, Lattice diffusion in γ -Fe Leake, J.W. + 5=584, Neutron rem counter +Leal, H. 5=7977, Lithium ion source Learn, A. J. + 5=3994, Superconductivity of In films +Leary, J. A. 5=15054, Thermal expansion of PuC and UC-PuC +Lebailly, J. 5=502, Solid detectors +Lebed', B. M. 5=4208, Switching processes in ferrites +Lebed', B. M. 5=10442, Nanosecond pulses +Lebedev, A. I. 5=2631, Neutral π -mesons +Lebedev, A. I. 5=5384, γ -production of π Lebedev, M. A. + 5=1034, Breakdown in Cs vapor Lebedev, M. A. 5=1044, Arc in Cs vapour Lebedev, N. N. + 5=171, Theory of thermal conductivity +Lebedev, S. Ya. 5=11649, Electrical breakdown in Cs +Lebedev, V.B. 5=3013, H-bonds of acetylene compounds, V +Lebedev, V. N. 5=10110, Transfer between orbits Lebedeva, I. V. + 5=13954, Acoustical parameters of membrane +Lebedeva, N.S. 5=5646, Scattering of polarised neutrons Le Bellac, M. + 5=647, Photodisintegration of D. II Le Bellac, M. + 5=5336, p + p \rightarrow d + W⁺ reaction Lebesque, H. J. M. + 5=4707, Very small displacements +LeBorgne, E. 5=15758, Magnetic field in France +LeBoucher, J. C. 5=7835, Shock waves in Ar +Le Bourgeois, A. 5=6839, Hall effect in metals Lebowitz, J. L. 5=4752, Phase-space of nonuniform systems +Lebowitz, N. R. 5=7598, Oscillations of gaseous masses +Lebowitz, J. L. [Ed.] 5=11769, The equilibrium theory of classical fluids +Leboy, E. 5=2558, Fractionally charged particles Lebrun, A. + 5=7007, Relaxation domains in zeolites

+Leciejewicz, J. 5=3619, Neutron crystal investigations +Leciejewicz, J. 5=9797, Neutron diffraction of Fe $_7$ Se $_8$ Le Claire, A. D. 5=9405, Impurity diffusion in metals + Le Clerc, P. 5=6717, Elastic properties of glasses Lecoin, M. + 5=5563, Comparing radium standards Lecoin, M. + 5=5591, Mean energy of Au¹⁹⁸ +Le Comber, P.G. 5=6949, Acoustoelectric saturation in ZnS and CdS +Lecomte, G. 5=9753, Spectral sensitivity for photomultipliers +Lecomte, J. 5=3651, Structure of hexahydrostannates +Lecomte, J. 5=13089, K acetyl phosphate i.r. spectra +Lecomte, J. 5=14657, Spectra of three heterocyclic derivatives +Lecomte, J. L. 5=659, α-spectrometry Le Couteur, K. J. 5=2073, The Dirac density matrix +Le Coroller, Y. 5=6962, Thick junctions in silicon +Lecoustey, P. 5=6023, Confinement time of hot plasma +Le Couteur, K. J. 5=5472, Nuclear potential energy LeCraw, R.C. + 5=7160, $\mathrm{Eu_3Fe_{5-x}}$ $\mathrm{Ga_xO_{12}}$ line width +LeCraw, R.C. 5=12279, Acoustic properties of YIG Lederer, S. + 5=4734, Enclidean gravitation +Ledford, A. E., Jr. 5=13978, Cooled i.r. detector +Lednev, I. A. 5=10749, Angle marker for URS-501 X-ray apparatus Ledouk, P. 5=15794, Stellar stability Lee, B.W. + 5=642, $2\Xi_- -= \Lambda_- + \sqrt{3}\Sigma_0^+ +$ Lee, B.W. 5=5194, SU(6) and electromagnetic interactions +Lee, B.W. 5=5217, Weak interaction transformations +Lee, B. W. 5=8235, Shell model of baryons +Lee, B. W. 5=14426, U(6) symmetry scheme Lee, C. H. + 5=9407, Self-diffusion in anthracene Lee, D. K. + 5=7802, Excited states of boson liquid +Lee, D. M. 5=2179, Quadruple point of He3-He4 Lee, E. W. 5=1766, Magnetoelastic behaviour of antiferromagnets Lee, F. S. + 5=5129, Fluorescent X-ray spectrography +Lee, G. M. 5=526, Mura electron accelerator, VIII +Lee, G. M. 5=527, Mura electron accelerator. IX Lee, G. M. + 5=533. Mura electron accelerator, XV +Lee, H. S. 5=13476, Radio wave phase interaction +Lee, H. S. 5=13478, Phase interaction in ionosphere Lee, J. + 5=9080, Oxygen quenching of positronium +Lee, J. A. 5=12650, Pu, Np, U resistivity variation Lee Jih-sheng. + 5=15548, Moiré patterns of graphite Lee, K. + 5=15431, EuF₂ magnetic, chemical properties Lee, K. S. H. + 5=4945, E.M. radiation in moving media Lee, K. T. + 5=9172, Solidus of copper-gold-zinc alloys Lee, L. L., Jr. + 5=829, Angular distribution of (d, p) +Lee, L. L., Jr. 5=2833, Deuteron scattering by Ca⁴⁰ Lee, L. L., Jr. + 5=2838, Validity of **BWBA** in Ca⁴⁰(d, p)Ca⁴¹ Lee, L. L., Jr. + 5=14552, Angular distributions in (a, p) reactions Lee, R. K., Jr. + 5=5049, Digital optical systems Lee, S. M. + 5=3356, Kerr constant of liquids +Lee, S. W. 5=15558, Faraday effect in magnetic fields Lee, T. C. + 5=15595, Edge emission of Mn doped GaAs +Lee Tse-ching. 5=5698, Fragments and structure at saddle +Lee, T.D. 5=83, Many-body problem +Lee, T.D. 5=2667, 2π Decay of K_2^0 Lee, T.D. 5=10783, Triplet models in SU₃ symmetry Lee, T. D. 5=10813, Hypercharge conservation Lee, T. D. 5=10814, Symmetry properties of leptons Lee, T. M. 5=4782, Spherical waves in viscoelastic media Lee, T. M. + 5=9515, Poisson's ratio determination +Lee Tseng-yuh. 5=12262, Crystal structure of (π-C₅H₅)₃. UCl Lee, W. C. Y. + 5=10546, E. M. scattering by gyrotropic cylinders Lees, D. J. + 5=14751, Current sheath diffusion in zeta Lees, J. 5=2016, Pressure calibration Lees, L. 5=15751, Solar plasma wind +Lefebvre, M. 5=4865, Measurement of Gc/s permittivity Lefebvre, R. 5=2875, Binary correlations in n-electron systems +Lefebvre, R. 5=7212, E.S.R. in glass triplet state +Lefebvre, R. 5=8875, Molecular e. s. r. line shape. III Lefebvre, R. + 5=12983-4, E. P. R. spectra. I-II +Lefebvres, F. 5=8443, Search for unstable particles +Lefeld-Sosnowska, M. 5=3606, "Pendellosung" fringes Lefeld-Sosnowska, M. 5=4321, Absorption coefficients +Lefever, R. A. 5=9648, Superconductors by plasma-jet spraying LeFevre, E. J. + 5=2156, Temperature scale Leff, H.S. 5=74, Asymptotic densities in statistical ensembles Leffel, C.S., Jr. 5=2599, Counting 100-V electrons +Leffert, C.B. 5=11385, Electron yield from fission fragments Le Floch, G. 5=7016, Ferroelectric losses in ${\rm BaTiO_3}$ +Lefort, M. 5=5639, Au, Bi, and Th bombarded by protons

+Lecerf, A. 5=6463, Properties of Mn₂TiO₄

+Lebrun, A. 5=7912, Permittivity measurement above 1 Gc/s

Lefort, M. 5=11291, Fragmentation in nuclear reactions Lefur, B. + 5=6214, Freezing of plane lamina Le Gall, H. 5=1779, Ferromagnetic relaxation +Le Gall, H. 5=7996, Ferrite amplifier for microwaves Le Gall, H. 5=15469, Magnons in Y. I. G. +Legan, R. L. 5=14129, Microwave spectrograph Legay, F. + 5=965, Fluorescence of CO, and N₂O +Legay, F. 5=5840, Infrared luminescence of gases. I Legay, F. 5=11525, Luminescence of ${\rm CO_2}$ by activated N Legay-Sommaire, N. + 5=5840, Infrared luminescence of gases. I Legendre, R. 5=1141, Vortex sheets in horns Legéndy, C. R. 5=6820, Modes of helicon oscillations +Legg, J. C. 5=11361, The $Cr^{52}(d, p_{\gamma})Cr^{53}$ reaction Legrand, A. P. + 5=9157, Dynamic polarization of liquids +Legrand, C. 5=6773, Grinding on zinc oxide Legrand, E. + 5=9810, Magnetic interaction in K₂NiF₄ structures +Legros, J. C. 5=14823, Ar $-O_2$ and CH_4 $-CD_4$ fluidities +Legros, M. 5=5349, p + p cross-sections, 0. 575 to 5. 35 GeV/c +Legvold, S. 5=3269, Sound absorption in gases +Legvold, S. 5=4165, Gd-Sc magnetic properties +Legvold, S. 5=9045, Halomethane gas sound dispersion +Legvold, S. 5=9725, Seebeck effect in rare-earths Le Guillou, J. C. 5=5206, Two-virtual-photon processes Lehane, J. A. + 5=8995, Helicon wave in plasma +Lehar, F. 5=570, Spin correlation in pp scattering Lehman, H.S. 5=15369, Surface conduction in passivated Si +Lehmann, Chr. 5=9204, Energetic primary atoms in crystals Lehmann, J.C. 5=914, Nuclear orientation by optical pumping +Lehmann, L. 5=5701, Composition of fission product fallout +Lehmann, P. 5=5385, π° γ -production from D +Lehmann, R. 5=281, Activated laser crystals. II Lehmann, W. J. 5=5822, Vibrational isotope shifts +Lehmpfuhl, G. 5=6452, Electron diffraction reflections of CdS Lehner, G. + 5=14052, Flux-compression. I +Lehr, R. 5=8135, Interference structure in scattered light +Lehtinen, B. 5=14910, U-Mo γ -phase detection Leib, K.G. 5=296, Polarisation as modulation control Leibler, K. + 5=6995, Influence of pressure on solid dielectrics Leibowitz, M. A. 5=2568, Particle moderation: Random functional approach Leibrecht, K. 5=10453, Thermionic conversion Leighly, H. P., Jr. 5=4419, X-ray fluorescence analysis. I +Leighton, R.B. 5=4668, Solar atmosphere. III Leighton, R. B. 5=7656, Magnetic field transport on sun +Leikin, E. M. 5=5310, Theory of shower y spectrometers +Leikin, E. M. 5=14319, Integrator for radiation monitors Leinbach, H. 5=13312, Solar cosmic ray intensity Leinbos, H. 5=7133, Fe-Cu magnetic loop reptation +Leipold, M. H. 5=1427, Thermal expansion of Y₂O₃ Leipold, M. H. + 5=3886, Mechanical properties of ZrC to 2600°C +Leipuner, L. 5=630, K^-P charge exchange +Leipuner, L.P. 5=5438, K_2° decay spectra Leipunskii, A.I. + 5=8713, Fast reactors with Na cooling Leisi, H. J. 5=557.0, K-capture in gaseous sources +Leiste, R. 5=8450, Exchange in $\pi^*~p\to p~\pi^*\pi^0$ at 4 GeV/c Leite, R.C.C.+ 5=2341, Low absorption measurements Leite, R. C. C. + 5=7391, Luminescence of pt GaAs +Leite, R. C. C. 5=7394, Injection luminescence in GaAs +Leite, R. C. C. 5=8053, Transient effects in lasers +Leite, R. C. C. 5=11554, Raman scattering from benzene Leite, R. C. C. + 5=11556, Rayleigh scattering from molecular liquids Leite, R.C.C. + 5=13115, Injection mechanisms in GaAs +Leith, D.W.G. $5=2655, \pi^-$ Interactions on nuclei +Leith, D. W. G. 5=8473, K (725) in K^p interactions at 3 GeV/c Leith, D. W. G. S. + 5=8462, π^* detection in e and γ backgrounds Leith, E.N. + 5=327, Wavefront reconstruction Leitner, J. + 5=2443, Gravitational interaction +Leitner, J. 5=2658, Decay modes, properties of X° Leitner, J. 5=2689, Existence of Ω -hyperon Leitti, A. 5=7920, 30-40 Megawatts r.f. line pulse generator +Le Junter, N. 5=7371, Microwave emission of a garnet +Le Junter, N. 5=7371, Microwave emission of a garrier +Leksin, G. A. 5=10941, Spark chamber Lel'dovich, Ya. B. + 5=4792, Continuity of detonation front +Lelek, V. 5=8716, Burn-up of uranium in motion LeLevier, R. E. 5=13484, D-layer recombination coefficient Lelievre, B. + 5=1194, Luminescence of dissolving of NaCl +Lemaire, B. 5=7156, Permittivity and permeability of ferrites +Lemaire, H. 5=7948, Free radicals for magnetometry +Lemaitre, G. 5=504, Lithium-compensated Silicon junction Lemaitre, G. 5=505, Annular detector Lemeille, C. + 5=11317, $p+B^{11}=3a$ and $d+B^{10}=3a$

Lemke, J.S. 5=1738, Magnetic parameters of films Lemke, J.S. + 5=3494, Substrate holder +Lemmerich, J. 5=4914, Polarized electron beams Lemmlein, G.G.+ 5=1297, Morphology of artificial diamond Lemonne, J. + 5=693, Heavy He hypernucleus Lemonne, J. + 5=2825, K captures in emulsion nuclei +Lemonne, J. 5=5499, Decay of heavy hypernuclei Lemons, K. E. + 5=3774, Surface processing defects in Si +Le Montagne, S. 5=6303, Double transition in PbZrO₃ +Le Montagner, S. 5=7017, Dielectric study of PbZrO, -PbHfO, +Le Mouel, J. 5=15758, Magnetic field in France +Lempicki, A. 5=5024, Europium benzoylacetonate laser +Lempicki, A. 5=5026, Europium chelate liquid laser +Lempicki, A. 5=13084, Eu chelates. III. Spectra Lempriere, B. M. + 5=12462, Creep vibration damping Le Naour, R. 5=4955, E.M. wave diffraction retarded potentials Lenard, A. 5=14765, Stabilization of toroidal systems + Lenchek, A. M. 5=4475, Density in an ion-exosphere +Lendinara, L. 5=603, π^* d interactions at 4.5 GeV/c Lendvay, E. 5=3546, Diffusion crystal growing Lendvay, E. 5=9967, Luminescence of unfired ZnS-s +Lenel, F. V. 5=3584, Al-Al₂O₃ alloys +Lenel, F. V. 5=12548, Ag-powder creep kinetics +Leng Hsiao-lin. 5=12666, Superconductivity of thin films Lengeler, B. + 5=3660, Localized vibration at defects +Lengeler, B. 5=15030, Lattice theory Lenham, A. P. + 5=7322, Optical constants of Al and In +Lenhert, D. H. 5=10537, Differential e.m. reflectivity Lenie, C. A. 5=1465, Film defects in silicon Lenk, R. 5=8899, Spin densities in free radicals +Lenoble, J. 5=10719, Scattering and absorbing medium Lenoir, M. 5=10248, Gravitation-matter wave interaction +Lenormand, M. 5=6274, Cubic phase of Al-Zn alloy Lenz, F. 5=14073, Resolution of electron microscope +Lenzlinger, M. 5=6985, Si transistors radiation damage recover +Lenzo, P. V. 5=1844, Electro-optic properties of LiNbO3 Léonard, A. + 5=1287, Properties of silicoaluminas. I Leonard, A. + 5=6074, Linearized problem in Couette flow +Leonard, P. J. 5=5809, Interaction between inert gas atoms +Leonard, R. 5=5545, Excited states of iodine-127 Leonard, R. W. 5=2124, Probe-tube microphones Leonard, R. W. + 5=4808, Diffraction of sound by panels Leonard, W.F. + 5=1610, Conductivity and isothermal Hall effect Leone, S. 5=7580, Outer stellar layers Leonidova, G. G. 5=15900, Crystal electrical measurements +Leonov, A. I. 5=15386, Nonlinear properties of CeAlO₃ +Leonov, A.I. 5=15387, CeAlO_s dielectric properties Leonov, M. Ya. + 5=6686, Dislocation theorem +Leonov, V. F. 5=10434, Current discriminators +Leont'ev, A.I. 5=1149, Friction of gases +Leont'ev, N. I. 5=11710, E. M. field in plasma +Leontovich, A. M. 5=10637, Ruby laser generation kinetics +Leontovich, A. M. 5=10638, Excitation heating of ruby laser +Leontyev, N. I. 5=6029, Plasma confinement by h.f. H wave Leopold, H.S. 5=13925, Bridgewire explosive initiation +Le Pair, C. 5=2180, Isotopic mixtures of solid He +Lepechinsky, D. 5=14741, Microwave plasma diagnostics Le Petit, J. P. 5=7011, Dielectric anisotropy of paper +Le Poittevin, G. 5=11329, Co resonance parameters for n +Lepping, R. P. 5=13588, Magnetic disturbances due to explosion +Lepre, G. 5=10713, Laser interferometry +Leprince-Ringuet, F. 5=178, Plasma furnace +Lequeux, J. 5=4580, Radioastronomy of supernova remnants Leray, N. + 5=9838, Interaction of Cl nucleus +Leray, Th. 5=14541, π -nuclear scattering +Lerch, O. 5=14452, Counting of alpha-particles Lerche, I. 5=3213, Cyclotron waves in plasmas Lerfald, G. M. + 5=13488, D electron profiles during auroras Lerinman, R. M. + 5=6692, Plastic deformation of Al-Ag alloy Lerman, N. 5=2009, Instruction in general physics Lerner, R. M. + 5=13226, V.L.F. ocean propagation +Leroux, J. P. 5=7886, Measurement of surface temperatures Leruste, P. 5=5422, Projection operators for N*_{3/2}, Leruste, P. 5=7716, Lagrangian for convolution products Leś, F. 5=14622, Isotope shifts in Cd spectra Lesclaux, R. + 5=12872, Photomagnetism of fluorescein in boric acid Lesinski, J. 5=14316, Temperature and background in G-M counters +Lesk, M. 5=5847, B $^3\mathrm{II}_{\mathrm{0\,\mu}}$ state of iodine Leška, J. 5=15612, Kinetics of systems

```
Lestienne, R. 5=8452, \pi^+ + n \rightarrow p + \pi^0 at GeV/c
Lestrade, J. C. 5=9142, Hertzion spectra of l-menthol
Letellier, B. 5=15116, Colour centres in irradiated LiF
etessier, J. + 5=11343, Cu<sup>63</sup> (n, 2n)Cu<sup>62</sup> at 14.1 MeV
Leteurtre, J. 5=9386, Polygonization of pure U
Leto, J. R. 5=5885, Photoluminescence of lanthanide
   complexes. III.
e Tourneux, J. 5=14471, Giant dipole line
e Traon, A. + 5=7006, Dielectric properties of titanium dioxide
Le Traon, F. 5=7006, Dielectric properties of titanium dioxide
ettau, H. 5=3255, Vorticity-transfer in turbulence
eturcq, P. + 5=997, Reabsorption currents and relaxation spectra eutz, H. + 5=11267, Electron capture in Cd^{109} and internal
   conversion in Ag109n
Lev, A. 5=11192, Shell-model nuclear masses, I
Lev, E. Ya, 5=4028, Valence band of GeTe
Levedev, A. V. 5=2610, → 650 MeV p elastic scattering
Levedev, V. B. 5=14669, H bond n. m. r. study VI
Levelut, A. 5=6524, Ultrasonic waves in MgO:Fe<sup>2+</sup>
Levelut, A. 5=15042, Acoustic paramagnetic resonance eveng, M. C. + 5=4869, Measurement of Peltier coefficient
Leveque, A. 5=8474, K<sup>-</sup>P → K*N and KN* at 3 GeV/c
evi, A. 5=14701, Charged particle scattering by plasma
evi, L. 5=8085, Optical imaging invariants
Levialdi, A. 5=9985, Electroluminescence of ZnS in magnetic
Levich, V. G. 5=9078, Interphase surface tension wevin, B. J. 5=10179, Origin of meteorites wevin, B. J. 5=13740, Impact hypothesis of lunar relief
evin, B. J. 5=15863, Origin of meteorites
evin, B. Yu. 5=4624, Lunar surface layer
Levin, I. W. 5=11531, Vibrations of GeH<sub>4</sub> and GeD<sub>4</sub>
evin, J. S. 5=10893, Small computer systems
evin, R. L. + 5=12326, Reduction of wüstite
evine, A. D. 5=3656, Phonon field equations
evine, A. K. + 5=4365, Cathodoluminescent YVO4: Eu
evine, E. D. + 5=1997, Vacuum-distilled beryllium
evine, E. D. + 5=14912, Study of Al—Li system
evine, J. 5=11840, Electrical water flow monitor
evine, J. D. + 5=12060, Desorption from metals
evinger, J.S. + 5=563, Proton e.m. form factor. II
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Levinson, C.A. 5=713, Hartree-Fock applied to Ne<sup>20</sup>, Mg<sup>24</sup>
evinson, C. A. + 5=5476, Collective variables without conditions
-Levinson, C. A. 5=10854, Field theory and dilatational symmetry
Levinson, I. B. 5=12571, Hot electrons in semiconductors
Levinson, P. 5=4921, Superconducting coils in electron
 microscopy
Levinson, Y. 5=5737, Atomic field-perturbation theory
evinstein, H.J. + 5=3471, Nb-Sn diagram and superconductivity
Levinstein, H. J. 5=12234, Rare-earth tungstates of type
    M<sub>2</sub> (WO<sub>4</sub>)<sub>3</sub>
Levintov, I. I. 5=2609, p-p elastic scattering
Levintov, I. I. + 5=5345, High-energy p—p forward scattering
evison, S. A. + 5=6163, Diffusion of I in CCl<sub>4</sub>
Levitin, R. L. 5=7153, Magnetism of rare-earth metals.
Levitin, R. Z. 5=7125, Magnetic properties of gadolinium
Levitt, B. P. 5=10008, Recombination spectra of NO<sub>2</sub>
evitt, R.S. + 5=10632, Emission from GaAs lasers
-Levrat, B. 5=8443, Search for unstable particles
Levshin, A. L. 5=7462, Love waves and upper mantle Levshin, A. L. + 5=13198, Spectra of Love waves
evshin, V. L. 5=9123, Migration of excitation in solutions
Levy, A. 5=11350, \Sigma\pi production by K in nuclei
Levy, H. A. 5=6439, Neutron diffraction at Oak Ridge
Levy, H. A. 5=6442, Three-dimensional neutron diffraction data
Levy, H. A. 5=6443, Three-circle neutron diffractometer
Levy, H. A. 5=6493, Crystal structure of XeF<sub>2</sub>-XeF<sub>4</sub>
Levy, L. + 5=10902, Resonance scintillation counter
evy, M. + 5=2668, New vector boson
Levy, M. + 5=13800, High pressure clamp
evy, M. 5=15289, Al superconductivity
evy, M. E. 5=1162, Discharge gauge for density
evy, P. M. 5=12916, After-effect in iron
évy, T. 5=10317, Shocks in ionized gas
Levykin, A. I. 5=7459, Waves in rock
Lewellen, W.S. 5=1139, Solutions for rotating flows
Lewin, G. 5=8134, Nonreflective coatings
Lewin, J. + 5=7744, Constant force friction
Lewin, L. 5=10523, Symbols for microwave bands
Lewin, W. H. G. + 5=8604, Decay of <sup>202</sup>T
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```
Lewis, A. E. 5=1852, Refractive index of films on Si
+Lewis, A. L. 5=8069, Head for liquid laser research
Lewis, B. 5=3499, Deposition of films
Lewis, D. C. + 5=7344, Spectra of Fe oxide films
+Lewis, F. A. 5=7442, Overvoltage component at Pd cathodes +Lewis, G. M. 5=8462, \pi^* detection in e and \gamma backgrounds +Lewis, H. W. 5=5643, Scattering of neutrons from nuclei
+Lewis, H. W. 5=8642, Scattering of 6 MeV neutrons
+Lewis, J. 5=5875. Properties of transition metal ions
Lewis, J. + 5=6238, Metal-metal bonds in complexes
+Lewis, M. B. 5=11804, Kinetic equation for dilute gas
Lewis, R. M. 5=10223, Progressing wave formalism
Lewis, R. N. 5=14012, Rapid calibration of potential dividers
Lewis, R.R., Jr. 5=552, Uncertainty in neutrino mass Lewis, R.R., Jr. 5=5375, W mesons in N\bar{N} annihilation
 +Lewis, R.R. 5=12933, Magnetic properties of Ni-Fe spherules
 +Lewis, W. B. 5=8717, Control rod
Lewis, W. B. 5=11401, Calorimeter for radiation
Ley Koo, E. 5=5572, Electron capture by Be<sup>7</sup>
+Leyendecker, H. 5=5095, Birefringence and activity of thin films
Lezgintseva, T. N. 5=15384, BaTiO<sub>3</sub> domain structure
+Lezina, V. P. 5=974, Study of bond by n.m.v. II
Leznox, V. P. 5=11601, Chemical shift of hydroxyl signal Leznox, A. N. + 5=14237, Nonlocal interaction field theory. IV Lhote, G. + 5=4983, Bloch-Siegert effect in "rotatory resonance"
 Lhôte, G. + 5=7207. Electron spins in radiofrequency field
+Li, A.C. 5=630, K<sup>-</sup>-P charge exchange
+Li, C.H. 5=3834, Plasticity of BaF<sub>2</sub>
+Li, C. H. 5=6736, MgO alloy fabrication and plasticity
 +Li, C. H. 5=12484, Initial micro-vielding of Be
+Li Che-Yu. 5=4080, Conductance of Ag halides
+Li Che-Yu. 5=9422, Antistructure defects in Bi
Li Che-Yu+ 5=11933, Comments on entropy in entectic freezing
+Li Chi. 5=3743, Etching dislocation networks
+Li Chi. 5=3753, Dislocations and loops in Mo
Li, J. C. M. + 5=9449, Dislocation velocity variation
Li, J. C. M. + 5=9451, Dislocation dipoles
 Li, J. C. M. 5=10365, Thermokinetic heat conduction
Li, J. C. M. 5=12376, Thermodynamics of dislocation mobility
Li, J. C. M. 5=15127, Dislocation kinetics
 Li Jun. 5=13470, Correlation analysis of ionosphere
 Li, T. 5=10589, Gaussian beam chart
 Li Tie-Cheng. + 5=4987, Double-cavity masers
+Li Tie-cheng. 5=8035, Three-level frequency converters
Liang, K. + 5=9087, Structure of CCl<sub>4</sub> and C<sub>6</sub>H<sub>12</sub> mixtures
+Lias, S. G. 5=4414, Radiolysis of n-pentane
+Lias, S. G. 5=10026, Radiolysis of methane
 +Libby, W. F. 5=13218, Natural Cm<sup>247</sup> search
 +Libchaber, A. 5=15330, D. C. voltage in InSb
Liberman, D. + 5=5735, Wave functions for atoms and ions. I
 Licea, I. 5=9661, Transport phenomena in semiconductors
Lichnerowicz, A. 5=13868, Quantization in general relativity
Lichtenberg, A. J. + 5=3161, Synchrotron radiation from a
Lichtenberg, A.J. + 5=3222, Synchrotron radiation from a plasma Lichtenberg, A.J. + 5=11750, Waves in plasmas
 Lichtenberg, D. B. 5=8363, Meson and baryon spectroscopy
 +Lichtenstein, M. 5=10575, Millimeter spectroscopy
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 Lick, W. 5=10358, Transient energy transfer
 Lide, D. R., Jr. 5=8806, A1F and AlCl microwave spectra
+Lidofsky, L. J. 5=5679, Deuteron stripping on Mg<sup>26</sup>
 Lidofsky, L. J. 5=10887, Data handling in nuclear physics
+Lieb, E.H. 5=62, Ising model of many fermions
 +Lieb, E. H. 5=10291, Many-fermion system
 +Liebaert, R. 5=7007, Relaxation domains in zeolites
 Liebau, F. 5=12240, Crystal structure of \mathrm{Zn_3[PO_4]_2}. ^4\mathrm{H_2O} +Lieber, A. 5=2555, Beam spread with Princeton cyclotron
 Lieber, M. + 5=13682, High energy cosmic \gamma
 +Lieberman, D. S. 5=12354, Point defects in Au—Zn
+Liebert, R. B. 5=10633, C.W. operation of GaAs lasers
Liebman, P.A. + 5=2334, Retinal cone photosensitive pigments
Liebmann, W.K. 5=1482, Orientation of stacking faults and
       dislocation etch pits in \beta-SiC
 +Lieder, R. M. 5=5553, Gamma-decay of 1174 keV Yb172
Liemohn, H. B. + 5=13333, Electron energy in magnetosphere
Lienhard, J. H. + 5=11789, Oscillating turbulent channel flows
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Liesk, W. 5=4088, Polarisation in BaTiO<sub>3</sub>
Lieth, R. M. A. + 5=1319, Si epitaxial growth
Lietz, J. + 5=4359, X-ray luminescence of quartz
Lietz, J. + 5=4360, Thermoluminescence of quartz
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```
Lietz, M. + 5=1572, Energy bands of chalcopyrites structures
Lifshits, I. M. + 5=12461, Diffusional creep in solids
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+Lifshits, I. M. 5=15200, Electron scattering by centers
+Lifshits, T. M. 5=4130, Field emission from Ge
+Lifshits, T. M. 5=12738, Conductivity of n-InSb
Lifshits, Yu. B. + 5=104, Supersonic flow of gas
Lifshitz, C. + 5=371, Energy-level distributions
Lifshitz, C. + 5=3119, Ionization by electron impact
Lifshitz, I. M. 5=6791, Disordered system energy spectrum
+Lifson, H. 5=11427, 23P and 33P He states
+Ligda, M.G.H. 5=4473, Radar echoes from atmosphere
+Ligda, M. G. H. 5=13247, Laser radar echoes from atmosphere
+Ligeon, E. 5=14549, O<sup>18</sup>(d, p<sub>1</sub>) and B<sup>11</sup>(d, po) at 300 keV
Light, J.C. + 5=1011, Molecular rearrangement collisions
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+Liid'ya, G. G. 5=15115, Color center creation
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Likhachev, V. A. + 5=15129, Creep-induced hardening
Likhtenbaum, L.L. + 5=14355, Measuring photographs of tracks
+Lilga, K. T. 5=12993, E. S. R. of succinic acid crystals
Liller, W. 5=15713, Optical aspects of West Ford project
+Lilley, A. E. 5=7603, Radio noise at 0.700 and 2.200 Mc
+Lilley, J.S. 5=2811, Optical model of 30 MeV p-scattering. III
+Lilley, J.S. 5=5348, Calibration of a proton polarimeter
+Lilley, J. S. 5=14529, p Polarization in nuclear scattering
Lillicrap, S. C. 5=8578, Energy absorbed in water
Lim, E. C. + 5=14662, Luminescence of aromatics +Lim, J. T. 5=4948, Broadband reflection amplifiers
Limber, D. N. 5=7576, Stellar envelopes by ejection +Limentani, S. 5=5451, Search for two-body \Sigma^+ decay
Limić, N. 5=14235, Scattering on singular potentials
Li-Ming, Y. 5=2733, Pairing force in nuclei, I Liminga, R. + 5=3628, Crystal structure of \rm N_2H_4,\,H_2O
+Limou, P. 5=7017, Dielectric study of PbZrO<sub>3</sub>-PbHfO<sub>3</sub>
+Lin, C.C. 5=2897, Hydrogen states with 3 \le n \le 3 o +Lin, C. C. 5=8773, Excitation of Na
+Lin, C. C. 5=14129, Microwave spectrograph
 +Lin Ch'i-chin. 5=10048, Atmospheric O<sub>3</sub> vertical distribution
 Lin, C. L. + 5=5670, (d, \alpha) and (\alpha, d) reactions
Lin, D. L. 5=5516, Neutron-neutron scattering length
+Lin Fu-Cheng. 5=265. Self-cross-relaxation masers
Lin Fu-Cheng. + 5=9834, Generalized effective spin-Hamiltonian
Lin Lan-ying. + 5=9680, InSb mechanical damage
 +Lin, S. H. 5=11786, Induced flow between cylinders
Lin Sheng-Hsien 5=13080, Magneto-optical rotation of complexes
+Lin, S.R. 5=466, Scattering of Dirac particles
 +Lin Shin-R. 5=2594, Scattering of electrons
Lin, T. H. 5=9518, Slip of a polycrystalline aggregate
 +Lin, W. C. 5=11141, Galactic cosmic rays
 +Lin, W. C. 5=13312, Solar cosmic ray intensity
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 +Linacre, J.K. 5=583, Co as neutron flux monitor
Linares, R. C. + 5=6388, Growth of yttrium iron garnet
Linares, R.C. 5=7695, Grinding small spheres
Linares, R. C. 5=14973, Growth of garnet crystals
Linblad, B. 5=15817, Theory of spiral structure
Lindblad, P.O. 5=15788, Program for astronomical rises and sets
Lincoln, J. V. [Ed]. 5=13594, Geomagnetic and solar data
Lincoln, K.A. 5=2878, Display for mass spectra recording
Lindberg, L. + 5=3235, Plasma from a coaxial plasma gun
+Lindel, B. 5=13559, Plasma flow in magnetic field Linde, H. + 5=10371, Roll cells of interfacial convection +Lindell, B. 5=14487, Radon contamination
Lindell, B. + 5=15687, Cs137 in Swedish milk
Lindeman, H. + 5=11011, Twin counter for beta detecting
+Lindeman, H. 5=13809, Digital time-interval analyzer
+Lindenbaum, S. J. 5=8318, Counter hodoscope data handling
+Lindenbaum, S. J. 5=14415, p—p scattering
+Lindenmeyer, C. S. 5=15836, Absorption in planetary atmos-
      pheres
 +Linder, B. 5=15537, Emittance of Alumina
 +Linderberg, J. 5=898, 2F-series of Cs I
Lindfors, K. R. + 5=5829, Molecular dipole moments
Lindhard, J. 5=3783, Charged particles in crystals
Lindholm, F.A. + 5=1659, Solid state devices
Lindholm, U.S. + 5=12479, Dynamic deformation of Al
+Lindkvist, B. 5=2699, Primary nuclei
+Lindman, E., Jr 5=8925, Breakdown in parabolic field
+Lindman, R. 5=8172, Visual after-image intensity
Lindmayer, J. 5=6992, Current transients in insulators
 +Lindner, A. 5=11290, Nuclear 2-particle emission
```

```
-Lindner, H. 5=10493, Five-electrode filter lens
+Lindner, H. 5=11464, Electron scattering on Hg
Lindner, M. 5=5613, Neutron emission and fission in U<sup>238</sup>
+Lindner, R. 5=9409, Diffusion of Ca<sup>45</sup> in CaF<sub>2</sub>
+Lindner, W. 5=10347, Lateralization at unstimulated ear
+Lindquist, R. W. 5=2050, Geometrodynamics
Lindquist, R. W. 5=13689, Vaidya's radiating Schwarzschild
     metric
+Lindqvist, T. 5=9206, Electric quadrupole interaction
Lindsay, P. A. + 5=10498, Magnetron (magnetic diode). II
+Lindsey, J.S. 5=643, S=-2 baryon systems
+Lindsey, J. S. 5=11127, Production, decay of E* (1820)
Lindsey, K. + 5=1322, X-ray powder specimens
+Lindsley, D. B. 5=8175, Brightness enhancement
+Lindstrom, R. M. 5=9904, Refractive index of F on ThO2
Lines, M. E. 5=9822, Magnetic properties of CoF<sub>2</sub>
+Lines, M. E. 5=12956, Magnetic properties of CuCl<sub>2</sub>. 2H<sub>2</sub>O
+Lines, R. A. G. 5=1231, Orientation of Ir in Fe
+Lines, R. A. G. 5=14506, Nuclear polarization of Ir 122
Linev, A. F. 5=10927, Pulse time-amplitude analyzer
Linev, A. F. + 5=11347, Spontaneously fissioning Am
Linford, P. F. T. 5=12532, a-Pu Young's modulus
+Lingafelter, E.C. 5=1380, Structure of Tutton's salts. II
Lingenfelter, R.E. + 5=11172, Atmospheric n from solar p
+Linhart, J. G. 5=14052, Flux-compression. I
+Linhart, J. G. 5=14712, Exploding foil magnetic compression
+Link, J. K. 5=11431, Oscillator strengths of elements
+Link, R. 5=15224, Thermal acceptors in Te
Linnett, J. W. 5=968, Electron pairing and linear H.
+Linnett, J. W. 5=978, Electronic structure of benzene
+Linnett, J. W. 5=11567, Ionic electron energies
+Linnett, J. W. 5=11583, Alternant molecular orbits of C(CH2)3
Linnette, H. M. + 5=1927, Noise field in the ocean
Linsteadt, G. 5=7201, LR transmittance of optical materials
+Lintz, P.R. 5=14810, Thermal relaxation in O with impurities
+ Linzen, D. 5=7109, Spontaneous magnetization of cubic
ferromagnetics
+Linzen, D. 5=9832, Magnon—phonon resonance in ferromagnet
+Linzuain, E. G. 5=7536, Form index for geomagnetic pulsation
+Lion, K.S. 5=14023, Network for inductive transducers
Lipinski, A. + 5=7976, High-frequency ion source
+Lipkin, H.J. 5=440, Baryon resonances
+Lipkin, H.J. 5=2417, Unitary symmetry in meson-baryon
     reactions
Lipkin, H. J. 5=2435, Baryon resonances in 10* SU, multiplet
Lipkin, H. J. 5=7806, Validity of many-body methods. II
+Lipkin, H. J. 5=7807, Validity of many-body methods. II
+Lipkin, H. J. 5=7808, Validity of many-body methods. III
Lipkin, H. J. 5=8231, Strange-particle production
Lipkin, H. J. 5=10797, Forbidden transitions in pole models
Lipkin, H. J. 5=11199, Hypernuclei and unitary symmetry
Lipkin, H. J. 5=14255, Internal symmetries and space-time
+Lipman, N. H. 5=14441, K_2^{\circ} \to \pi^+ + \pi^- decay
Lipnik, A. A. 5=6811, Excitation processes
Lipnik, A. A. 5=6812, Carrier drag on excitons
Lipnik, A. A. 5=15245, Exciton investigation +Lipnik, P. 5=5594, Beta-decay of Bi<sup>210</sup>(RaE)
Lipnik, P. + 5=14497, Decays of Cl36
Lipnik, P. + 5=14500, Decay of Ba189, Ce141, La140 and Pr142
+Lipovka, N. M. 5=10167, Radio emission from Jupiter
Lippert, E. 5=3046, Electron states of stilbene
+Lippert, E. 5=3348, Luminiscence of cis-stilbene
+Lippert, E. L., Jr 5=12258, Space group of bis-o-phenylene
      disulphide
Lippert, J. 5=13998, Cryostat for germanium detectors
Lippert, W. 5=10087, Cosmic noise in middle latitudes
Lippincott, E.R. + 5=3061, N.M.R. studies on H-bonds
Lippincott, E.R. + 5=7699, High-pressure distribution
+Lippincott, E. R. 5=11490, Shrinkages of internuclear distance
+Lippincott, E. R. 5=11891, Raman spectrum of azulene
+Lippincott, E. R. 5=12592, Trapping in silver iodide
Lippmann, B. A. 5=14202, Field from single Fresnel zone
Lippmann, H. 5=10240, Plastic flow
Lipps, F. B. 5=13249, Beta-plane approximation
+Lipschutz, M. E. 5=6412, Electron microscopy of graphite
+Lipscomb, W. N. 5=2955, Hartree-Fock calculations. IV
+Lipscomb, W. N. 5=8815, Polarizability of HF
 +Lipscomb, W. N. 5=11496, Extended Hückel and Hartree-Fool
      theories
+Lipscombe, W. N. 5=9319, X-ray crystallography
```

Lipson, S. G. 5=2168, Mechanical manostat for He cryostat

+Lipsitt, H. A. 5=12156, Microstructure of zirconia

```
Lipworth, E. 5=686, Br<sup>80,80m</sup> hyperfine structure, nuclear moments ipworth, E. + 5=8744, Removal of Zeeman-level degeneracy
Lipworth, E. 5=8752, Electric dipole moment of Cs atom
-Lipworth, E. 5=14602, Hyperfine structure of Lu<sup>176</sup>
Lira, R. 5=11521, Chlorides—nitrates Raman spectra
Lires, O.A. 5=580, Slow neutron counting dishina, A.V. + 5=12110, GaP grown in vapour
Lishina, A. V. 5=15232, Conduction bands of GaAs—GaP disieski, W. + 5=5258, Scintillation spectrometer D20
isitano, G. 5=10543. Phase-measuring for carrier wave
Lisitsa, M. P. 5=15570, I. R. absorption by Si
Liska, E. 5=2994, Vibrational relaxation of CO<sub>2</sub> in He mixtures
isker, I. S. 5=9667, Electrical conductivity of semiconductors
Lisle, J.C. 5=2742, Levels of Ar36
istrov, A. T. + 5=6683, Flow of visco-plastic media
iszka, L. 5=10084, Scintillations in auroral zone
iszka, L. 5=10085, Height of scintillation-irregularities
-Litherland, A. E. 5=546, F^{19}(d, n_{\gamma})Ne^{20} pulse discrimination
Litherland, A. E. 5=715, E3 transition in Ne<sup>20</sup>
Litherland, A. E. 5=8591, Lifetimes of <sup>20</sup>Ne
Litovchenko, G. D. 5=991, Absorption bands of nitro groups Litovchenko, V. A. 5=6867, Penetration and thermoelectricity of
    superconductors
Litovchenko, V. G. 5=12816, Field effect at semiconductors
Litovitz, T. A. 5=6155, Viscosity of liquids
Litt, C. 5=15858, Organic radicals in meteorites
Little, C. G. 5=13488, D electron profiles during auroras
Little, J. W. 5=4394, Carbon monoxide on niobium Little, R. 5=8462, \pi^* detection in e and \gamma backgrounds
Little, W. A. 5=6900, Superconducting V
Littlewood, J. E. 5=2019, Adiabatic invariance. V
Litvak, A. G. + 5=11681, Distribution functions of plasma
Litvak, A. G. + 5=11731, Ohmic heating of plasma
Litvak, J. 5=5429, Assymetry in \rho^{\circ} decay
-Litvin, B. N. 5=6487, Crystal structure of Na<sub>2</sub>O. TiO<sub>2</sub>. SiO<sub>2</sub> Litvin, B. N. + 5=14979, Synthesis and properties of
     NagO.2MnO.2SiO2
-Litvin, V. F. 5=826, Scattering of deuterons on Ni and Zn
+Litvinenko, L. N. 5=4956, Periodic structure e.m. propagation.I-II
Litvinenko, Yu. G. 5=7350, Zeeman effect in MnF.
Litvinov, R.O. 5=12068, Adsorption on Si p=n junction
Litvinov, V.S. 5=6745, Cavitation damage in molten Pb
itwiniszyn, J. 5=4725, Mechanics of loose media. II
Litwiniszyn, J. 5=9028, Fluid flow in porous medium
Litzen, U. 5=14607, Si I spectrum in PbS region
Litzman, O. 5=9367, Vibrations of imperfections
uiu Chen-hsing. + 5=4492, Variation of radiation belt
Liu Chen-mao. 5=9263, Si dislocations and etch pits
Liu Chuan-sin, 5=7538, Geomagnetic effects of major flares
Liu Chuan-sin. + 5=10098, Geomagnetic storm
-Liu Chung-wên. 5=14407, Polystyrene-base β-scintillators
Liu, F. F. 5=646, Photodisintegration of D by photons
Liu, H. W. 5=9529, Fatigue crack propagation
Liu, S. H. 5=9618, Electron scattering in magnetic alloys
iu, T.S. + 5=3834, Plasticity of BaF_2
iu, T.S. + 5=6736, MgO alloy fabrication and plasticity
iu, Y. C. 5=6407, Grains in Cu-P alloy
Liu, Y. C. 5=9539, Fatigue crack formation
+Liu Yi-Huan. 5=6560, Thermal expansion of Ge, Si, InSb, GaAs
+Liu, Y. S. 5=11064, The reaction ps + B \rightarrow V + B
+Livesay,R.M. 5=4922, Electron microscope Lorentz attachment
Livesey, D. L. 5=6083, Measuring specific heat of gas
ivingston, M.S. 5=2551, High energy electron accelerators
+Livingston, R. 5=6190, Phosphorescence of polynuclear hydro-
    carbons
Livingston, R. + 5=7245, NO<sub>3</sub> e.s.r. in KNO<sub>3</sub> Livingston, W. C. + 5=1975, Interstellar lines
ivshits. M.A. 5=4565. Electron densities in chromospheres
Livshits, M.A. 5=7674, Heating theory for chromosphere
jolje, K. + 5=6819, Plasma dispersion relation in solids
junggren, B. + 5=7566, Magnitudes and colours for 849 stars
Llacer, J. 5=2514, Surface effects in Li-drifted detectors
+Llanwyn Jones, D. 5=4971, Earth-ionosphere cavity resonances
Llaurado, J. G. + 5=1989, Biological feedback control systems
-Lloret, A. 5=2655, \pi^- Interactions on nuclei +Lloret, A. 5=5447, \Lambda^\circ -N scattering
loyd, B. J., Jr. 5=2227, Astigmatism compensator controls
-Lloyd, J. L. 5=2689, Existence of Ω-hyperon
-Lloyd, J. W. F. 5=7513, Day-time aurora
loyd, P. 5=1604, Resistance of aluminium films
loyd, P. + 5=3655, Free energy of a lattice
loyd, P. 5=9513, Elastic constants of a lattice
```

```
Lo Leau-fu. + 5=8444, Lifetime of \mu and \mu-e symmetry
+Lobanov, Yu. N. 5=3097, Electrodeless ring discharge
+Lobanov, Yu. V. 5=5812, Isotope 104<sup>260</sup>
+Lobanov, Yu. V. 5=8685, Synthesis of element 104
+Lobashov, V. M. 5=5571, Longitudinal polarization of \beta-rays
+Lobashov, V. M. 5=14496, β-decay of P32, In114, Pr142, Ho166
      and Re188
Löber, G. + 5=10000, Quinol—quinone equilibrium
+Lobkowicz, F. 5=2608, Triple scattering parameter R'
Löbner, K. E. G. 5=758, Half-life in ^{90}Zr, ^{92}Mo and ^{85}Rb. Löbner, K. E. G. + 5=5551, Measurements in \text{Tb}^{161}, \text{Yb}^{177} and \text{Hf}^{178} Löbner, K. E. G. 5=5554, States in \text{Ta}^{179} and \text{Tm}^{167},
+Lobo, P.W. 5=6508, Motion of ions in fluosilicates
+Lobov, L. F. 5=14183, Supply for stroboscope lamps
Lobov, S. I. + 5=12038, Film thickness measurement
+Locardi, B. 5=3528, Diffusion in glass
+LoCascio, C. 5=10645, Ruby laser oscillators
Lochak, G. 5=5776, Optical excitation of atoms
+Lochak, G. 5=8357, Resonances in a synchrotron Lochak, G. 5=14587, Nonlinear optics
+Locher, K. 5=15492, Cr3+ and Fe3+ e. s. r. in ZnAl<sub>2</sub>O<sub>4</sub>
Löcherer, K. H. 5=9665, Semiconductor conductivity measurement
Lockwood, G. E. K. 5=13434, Cyclotron spikes in ionosphere
Lockwood, G. E. K. + 5=13546, Equatorial ionosphere anomaly
Lockwood, G. J. + 5=3072, Thermal dissociation of H
+Lockwood, J. A. 5=13345, Neutron albedo measurements
Lodding, A. 5=9632, Current in In metal
+Lodge, J. G. 5=8952, Charge-exchange reactions
Loeb, L. B. 5=13291, Diameter of lightning
Loeb, M. + 5=10345, Threshold shift with noise
+Loebner, E. E. 5=7323, Erratum: optical absorption of BP
+Loeffler, F. J. 5=11133, Photodisintegration of He<sup>4</sup>
Loevinger, R. 5=10898, Field in ionization chamber
+Loewenthal, M. 5=4503, Ionospheric backscatter
+Logan, J. S 5=15355, Control of planar junctions
+Logan, J. S. 5=15370, Stabilization of SiO<sub>2</sub> passivation layers
Logan, R. A. + 5=3670, Phonon spectra of Ge—Si
Logan, R. A. + 5=4351, Luminescence of GaP diodes
Logan, R. A. + 5=12775, Conductance in tunnel diodes
+Logel, P. C. 5=14013, Electrical conductance instrument for
      1700°C
Loges, F. + 5=10717, Aperture field in slit diffraction
Logunov, A. A. + 5=2450, Processes with variable number of
      particles
Logunov, A. A. + 5=14296, Scattering amplitudes in field theory
Loh Chyuan-kong. 5=8967, Transient processes plasma
Loh, E. 5=4019, Damaged surface layers on CdS crystals
Loh, E. 5=15538, U. V. reflectance of \mathrm{Al_{2}O_{3}}, \mathrm{SiO_{2}} and BeO Löhken, R. + 5=2788, \beta-polarization from Re<sup>186</sup> and P<sup>132</sup> +Lohrmann, E. 5=595, Ant proton-proton interactions Lohrmann, E. 5=2797, Transverse momentum of secondary
      particles
Lohrmann, E. + 5=8411, p-p scattering at very small angles
+Loiacono, G. M. 5=12234, Rare-earth tungstates of type
M_2(WO_4)_3
+Loidl, J. 5=15868, Study of interplanetary medium ,
Loinger, A. 5=4757, Quantum ergodic problem
 +Lokan, K. H. 5=5612, Photodisintegration of molybdenum
+Lokanathan, S. 5=689, Short-range hyperfragments
+Lokanathan, S. 5=14461, The study of short-range hyperfrag-
      ments—the production
+Loken, J.G. 5=14439, N* resonances
Lokken, J. E. + 5=2249, EM interference at 1.f.
+Loman, E. L. 5=8455, Boundary condition for P_{33} \pi-N
Lomanov, M. F. + 5=10935, 200-l Bubble chamber
+Lombard P. 5=7175, Y|Ce| garnet properties
Lombard, R. + 5=14527, S<sup>32</sup>—e scattering
Lombard, R.J. + 5=704, Internal pair formation
+Lombard, R. M. 5=11302, Electron scattering by P<sup>31</sup>
Lombardi, E. + 5=3417, Stability of alkali-halide crystals
Lombardini, P. P. 5=15734, Ionospheric electron density
Lombos, B.A. + 5=1320, Epitaxial deposition of Si
+Lominadze, D.G. 5=3168, Wave interactions in a plasma
Lominadze, D.G. + 5=3198, Plasma oscillations in magnetic field
Lominadze, D.G. 5=3214, Ion-cyclotron wave amplification
Lominadze, D. G. + 5=11744, Magneto-acoustic waves in plasma
+Lomino, N. S. 5=11754, Instabilities in plasma
Lomnev, S. P. 5=14061, Problems in electrodynamics
+Lomnev, S. P. 5=14110, Periodically cellular waveguides
+Lomonosov, V. V. 5=11972, Crystal \gamma-quanta emission
Lomont, J.S. + 5=403, Inhomogeneous Lorentz group
Lomsadze, Yu. M. + 5=10862, g-Plane in Schroedinger theory
```

+Lonadier, F.D. 5=3820, Measuring crush strength London, G. E. 5=8970, Plasma motion in e.m. field London, G.J. + 5=6374, Recrystallization of zone-melted iron +London, G.W. 5=2658, Decay modes, properties of X°+London, G.W. 5=2689, Existence of Ω -hyperon London, G. W. 5=8221, SU(3) symmetry scheme Long, A. E. + 5=12777, Stress and tunneling in Ge Long, C. D. + 5=13683, Cosmic γ flux limit +Long Chun-wei. 5=9901, Strain splittings of CuO bands Long, D. A. + 5=983, Force constant calculations. IX +Long, F.A. 5=3119, Ionization by electron impact +Long, F.A. 5=4378, H disproportionation reaction Long, R. R. 5=11772, Boussinesq approximation and waves Long, R. R. 5=14792, Long wave initial value problem +Longequeue, J. P. 5=5518, Levels of Be7 +Longequeue, J. P. 5=14549, $O^{16}(d, p_1)$ and $B^{11}(d, po)$ at 300 keV +Longequeue, N. 5=5518, Levels of Be 7 Longequeue, N. + 5=14549, O16(d, p1) and B11(d, po) at 300 keV +Longhetto, A. 5=5378, Scattering of BeV/c μ - in emulsion +Longhetto, A. 5=11157, Cosmic radiation in Mont Blanc +Longhi, G. 5=8398, Radiative corrections to $e^+ + e^- \rightarrow \mu^+ + \mu$ Longhi, G. 5=11016, γ Emission in $e^+ + e^- \rightarrow \mu^+ + \mu^-$ +Longini, R. L. 5=12692, Introduction to semiconductor physics +Longinotti, L.D. 5=6893, Superconductivity in alloy systems +Longmire, M.S. 5=2901, Excitation of 1 $^{1}S \rightarrow 3$ ^{1}S in He +Longmire, M.S. 5=14605, Electron impact spectrum of N +Longo, M.J. 5=567, p + p \rightarrow d + π^* reactor Longstaff, J. V. L. + 5=11420, One- and two-electron wavefunctions Longuet-Higgins, H. C. + 5=11929, Model for melting Ar Longuet-Higgins, M. S. 5=10038, Planetary waves. II +Longworth, G. 5=6250, Fe⁵⁷ Mössbauer effect in solids +Lio Nigro, S. 5=1381, U²³⁸ fission by neutrons Lonngren, K. E. + 5=8979, Resonator in plasma diagnostics +Löns, K. 5=10964, Extraction in microtron Lontie, G. + 5=4111, Photovoltages in CdS +Loof, H. 5=2315, Calibration of reflectance photometers Loomis, B. A. + 5=3800, Elongation of U by N irradiation Loopstra, B. O. 5=6491, Neutron diffraction investigation of U₃O₈ Loos, J. 5=1780, Spin waves in ferromagnetic resonance Looyenga, H. 5=14037, Dielectric constants of mixtures +Lopatin, I. V. 5=10993, Calorimeter for bremsstrahlung energy +Loper, G. D. 5=9612, Positron lives in polymers +López, A. 5=5294, Electrons in Graaf accelerator +López, A. G. 5=5251, Gas targets for nuclear reactions López,G.+ 5=5248, Nuclear physics laboratory Lopez, L.+ 5=5877, Absorption bands of aliphatic compounds +López, V. B. 5=5757, Lowest state of chlorine atom López, V. B. 5=5758, Magnetic moment of atomic fluorine +Lopez, W. M. 5=14539, Neutron capture cross section Lorant, M. 5=4799, Calibration of condenser microphones Lorant, M. 5=5067, Spectrometer for laser studies Lorber, H. W. 5=6000, Treating dense plasma as metal +Lorch, H. O. 5=7893, Thermometry of power dissipation +Lord, J. J. 5=2566, High-energy nuclear interactions +Lord, K. A. 5=7455, Injection for gas chromatography +Lord, R. G. 5=9064, Absolute vacuum gauge Lorell, J. + 5=15771, Precession rates for satellite Lorente, G. 5=4372, Electroluminescent panels Lorente, G. 5=6996. Conductivity in electroluminescent phosphors Lorents, D. C. + 5=11468, Li ion—atom charge transfer Lorenz, M. R. 5=6911, Conductivity in compound semiconductors Lorenz, M. R. 5=13795, Chemical polish for PbTe +Lorenz, M.R. 5=15207, CdTe hole lifetime Lorenzelli, V. + 5=3651, Structure of hexahydrostannates +Lorenzelli, V. 5=4332, I.R. spectra of $C_6Br_6[I_6]$ +Lorenzelli, V. 5=12146, Metastannates of bivalent metals Loretto, M. H. 5=9458, Dislocations in Au-Sn alloy Loretto, M. H. + 5=12412, Ag stacking faults Loriers, J. + 5=13090, tris (5-nitro-1-naphthalene) Eu sulphonate spectra +Lorimer, J. W. 5=10377, Temperature measurement in viscometers +Lorteye, J. H. J. 5=10465, Laboratory magnet +Los, P. 5=1517, Deformation bands in copper +Los, S. C. 5=11935, H₂NNH₂-H₂O phase transformations +Los, S. C. 5=6292, Hydrazine-water system. I +Losa, C.G. 5=15048, Atomic heat of Mn Lösche, A. 5=7282, In¹¹⁵ n.m.r. shift in InSb Loshmanov, A. A. 5=4206, Magnetic moments in Ni-Mn Loshmanov, A. A. 5=9820, Cr-Mg antiferromagnetism +Loskiewicz, J. 5=5391, Production of γ pairs in π^- + Xe Lotgering, F. K. 5=15450, Ferromagnetism in spinels

+Lothe, J. 5=12371, Energy of dislocation configuration +Lothe, J. 5=12407, Stacking fault energies Lotkova, E. N. 5=15114, A-centres in irradiated Si Lotsch, H. K. V. 5=325, F-P interferometer and beam waveguides Lotsch, H. K. V. 5=2279, Interferometer as laser resonator Lotsch, H. K. V. 5=10609, Multimode resonators Lotsch, H. K. V. 5=10673, Optical resonators Lotsoff, S. N. 5=14287, Scalar-pseudoscalar interaction Lotz, W. + 5=14747, M and S toroidal θ pinches Louck, J.D. + 5=3264, Boltzmann collision operator Louck, J. D. 5=14229, Perturbation method for higher order Louck, J.D. 5=14230, Eigenvectors of asymmetric rotator Loudon, R. 5=7306, Raman effect in crystals Loudon, R. 5=12264, Two-phonon processes +Loudon, R. 5=15536, Parametric amplification +Louedec, C. 5=8474, K^P \to K*N and KN* at 3 GeV/c +Lougheed, R.W. 5=2792, 79-Day Fm²⁵⁷ isotope +Loughead, R. E. 5=7670, Sunspots Louisell, W. H. + 5=5149, Harmonic oscillator relaxation +Louisell, W. H. 5=14226, Transformation in quantum mechanics Lounsbury, J. B. 5=11516, Zero field splitting in NH. I Lourens, J. A. J. + 5=15454, Magnetostriction in nickel Louthan, M. R., Jr. 5=15188, TiH2 stress orientation in Ti +Loutsik, V.A. 5=2813, The reaction $\mathrm{Li}^7(\mathrm{p},\alpha)\mathrm{He}^4$ +Lourens, W. 5=11265, The decay of 14.6 h $^{86}\mathrm{Y}$ +Louwrier, P. W. F. 5=8567, Gamma-radiation from actinium K Lovas, I. + 5=14477, Cl³⁶ and Ar³⁶ nuclei Lovberg, R. 5=3227, Plasma parameters from accelerator measurements Lovberg, R. H. 5=9019, Coaxial accelerator discharge +Love, W. A. 5=8318, Counter hodoscope data handling +Love, W. A. 5=14415, p-p scattering Lovejoy, D. R. 5=3975, Surface resistivity of Pt wire Lovelace, C. 5=446, Three-particle systems +Lovelace, C. 5=5408, π -N phase shifts Lovell, B. 5=4573, Radio-emitting flare stars Lovell, B. + 5=4574, Observations of flare stars Lovell, B. 5=10135, Radio stars in the Galaxy Lovell, S. E. + 5=2921, Coupling in p-H collisions Lovell, S. P. + 5=1200, Dielectric properties of water Lovering, J. F. + 5=15855-6, U and Th in stony meteorites. I-II Lovins, A. B. 5=13002, Splitting of 19 F N.M.R. line +Lovisetto, L. 5=6012, Scattering of light from plasma Lovitch, L. 5=11184, A = 6 triplet and nuclear forces Løvseth, J. + 5=14401, Lepton production by neutrinos +Løvseth, J. 5=14402, Neutrino production of π and K +Low, F. E. 5=8272, Exact bootstraps +Low, G. G. 5=7126, Magnetic moments in transition metal alloys Low, J. R., Jr. 5=1503, Fracture of metals Low, M. J. D. 5=15623, Pressure and H chemisorption on ZnO Low, W. 5=7398, X-ray fluorescence of ruby Low, W. + 5=15490, CaO tetragonal distortion and e.s.r. Löwdin, P. O. 5=2373, 2379-80, Perturbation theory. VI-VIII-VIII Löwdin, P.O. 5=7798, Angular momentum wavefunctions +Lowe, J. 5=2811, Optical model of 30 MeV p-scattering, III +Lowe, J. 5=5348, Calibration of a proton polarimeter +Lowe, J. 5=5618, Ca-scattered proton polarization +Lowell, R.C. 5=6587, Self-diffusion rate in gold Lowenstein, J.C. + 5=2114, Transmission of ultrasonic waves Lowenthal, G. C. + 5=8310, Au-20%. Pd thin source supports Lowry, J. F. + 5=8948, He photoionization cross-section +Lowys, J. P. 5=629, K°β decay +Lozano, J. M. 5=5606, Time description of reaction Lozinskii, M.G. + 5=1534, Fracture of metals +Lozinskii, M. G. 5=3866, Softening during recrystallisation Lozinskii, M. G. + 5=10747, X-ray tube for structure analysis Lozinsky, M.G.+ 5=1523, Microhardness of iron +Lozovaya, E. A. 5=11692, Quasineutral flow in plasma +Lozovik, V.G. 5=13936, Acoustic field of cylindrical radiator +Lozovskii, S. N. 5=11710, E. M. field in plasma +Lozovsky, S. N. 5=6029, Plasma confinement by h.f. H wave +Lozovyi, V.I. 5=3323, Transfer of Ag in Pb and Co in Sn Lożyński, E. 5=11377, Nucleon transfer reactions +Lu An-Hau. 5=1236,Mössbauer absorption line spectra +Lu Mao-chung. 5=6788, Electron—phonon scattering in Ge +Lu Si-tin [Lu Hsi-t'ing]. 5=2772, 2p Decay of Ne18 Lu Tan. 5=6506, Mössbauer thermal broadening +Lu Tan. 5=8444, Lifetime of μ and μ —e symmetry Lu Tan. See Tan Lu. +Lubatti, H. J. 5=2655, π Interactions on nuclei Lubbers, J. + 5=13994, Cooling and relaxation of nuclear spin systems

```
ubchenko, A.F. + 5=4285, Impurity centre light absorption
ubchenko, A. F. + 5=4286, Impurity centre light emission
Lubchenko, A. F. 5=6249, Mössbauer effect in solids
Lubchenko, A. F. 5=12270, Mössbauer effect at impurity nuclei aubchenko, A. F. + 5=13022, Spectra of impurity centres
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ubowiecka, T. 5=11433, Oscillator strengths of Ga I
Lub'yanÿi, V. V. 5=10943, Spark chamber
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Lucas, A. 5=3418, Van der Waals interaction in solids aucas, A. 5=6233, Dipole—dipole interaction in rare-gas crystals
Lucas, A. 5=15256, Positron annihilation in metals
ucas, B.T. + 5=842, Scattering of \alpha-particels from Na<sup>23</sup> Lucas, G. J. 5=9890, X-ray absorption
Lucas, H. F., Jr. 5=2572, Complex y-ray spectra
Lucas, J. 5=6096, Electron diffusion in hydrogen
ucas, L. D. 5=11864, Viscosity of pure iron and of the Fe-C
  system up to 4.8 weight %C
ucas, R. 5=4738, Mass potential energy
Lucas, R. 5=13968, Body in gas near u.s. source
Lucas, R. C. 5=7323, Erratum: optical absorption of BP aucasson, A. + 5=9424, Cu electrical resistivity by quenching I
Lucasson, A. 5=12349, Electrical resistivity in Cu. II accesson, A. + 5=12655, U e-irradiation
Lucasson, P. 5=9424, Cu electrical resistivity by quenching.
Lucasson, P. 5=12349, Electrical resistivity in Cu. II
Lucasson, P. 5=12655, U e-irradiation
Lucchini, A. 5=14048, Nuclear magnetometer
uccio, A. + 5=536, Milan cyclotron. I. H polarizer
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Luccio, A. 5=14382, Source of polarized protons
Luchkov, B. I. 5=8342, Streamer chamber auchner, K. + 5=9969, Absorption and luminescence of Fe<sup>57</sup> in ZnS
uck, G. 5=13979, Temperature along bolometer element
ück, R. + 5=6834, Thermal energy of metals
ücke, K. + 5=6340, Crystal orientations in deformed copper
Lucke, K. 5=9261, Orientation distribution in metals
ücken, E. A. C. + 5=7291, Cl<sup>95</sup> n.q.r. in dichloropyridine
Luckhurst, G. R. 5=3366, ESR of free radicals in liquid crystals
aucovsky, G. + 5=158. Infrared photomixer diodes
aucovsky, G. + 5=15356, High-speed photodiodes
acovsky, G. + 5=7393, Luminescence in GaAs junctions adeke, C. A. 5=7820, Existence of limit cycle-Ludwig, C. B. 5=5821, Intensity of vibrorotational bands
Ludwig, C. B. 5=8828, Spectra of H<sub>2</sub>O-CO<sub>2</sub> mixtures
Ludwig, C. B. 5=9043, Temperature determinations of gases
udwig, G. 5=4756, Quantum statistics of macroscopic systems
udwig, G. 5=5135, Axioms of quantum mechanics
udwig, G. W. 5=12991, E. S. R. of donor in Si
Ludwig, P. K. 5=3349, Luminescence decay in solutions
Ludwig, P. K. 5=9928, Luminescence decay measurement
Ludwig, W. 5=3660, Localized vibration at defects
audwig, W. + 5=4041, Double injection in ZnS
-Ludwig, W. 5=12305, Cubic lattice thermal conductivity
Ludwig, W. + 5=15030, Lattice theory
Ludziejewski, J. 5=14323, Random photo-peak in scintillation
spectrometry -Luetchford, B. S. 5=5425, Upper limit for \omega^{\circ} \rightarrow e^{+} + e^{-}
Luganskii, G. M. 5=10580, N.M.R. spectrometer
ui, F.F.+ 5=2633, Charged-pion photoproduction
Lui, M. T.H. 5=3326, Diffusion of Tl in Tl amalgams
Luig, H. 5=5553, Gamma-decay of 1174 keV Yb17
uikov, A. V. 5=10359, Heat transfer bibliography—Russian
Luizova, L. A. 5=14138, Non-axial stimulated radiation
·Lukáč, P. 5=3836, Work-hardening of Cd
ukáč, P. + 5=9582, Flow stress of zinc
Lukanina, I. G. 5=12204, X-ray scattering in Fe-Ni-Al
Lukas, I. 5=848, Evaporation spectra of neutrons
ukáš, P. + 5=1468, Dislocation of pure iron
Lukáš, P. 5=6763, Fatigue process in steel
Lukashev, A. A. 5=14214, Raster cine cameras
Lukashov, A. A. 5=5318, Semiconductor pulse X-ray detectors
Łukaszewicz, K. 5=9913, Light induced birefringence in KCl
ukirskii, A. P. + 5=8743, Photoionization of He, Kr, Xe, CH<sub>4</sub> and
   methylal
ukosz, W. 5=15394, Anisotropic thermoelectric closed currents
uk'yanchikova, N. B. + 5=12823, Photocurrent noise CdS crystals
·Lule, A. 5=15561, Ni<sup>2+</sup> distribution in Ni<sub>x</sub>Mg<sub>1-x</sub>Al<sub>2</sub>O<sub>4</sub>. VIII A
```

+Lumb, M. D. 5=9132, Fluorescence of pyrene solutions Luming, M. 5=2477, Yukawa potential scattering +Luming, M. 5=5439, Schrödinger bootstrap model Lumley, J. L. 5=61, Multiple-valued random functions +Lund, A. 5=15498, E. S. R. of γ -irradiated dextran +Lund, G. R. 5=4439, Explosive reverberation +Lund, L. H. 5=2067, Kirkwood superposition approximation Lundberg, J. L. + 5=6181, Light scattering by liquids at 6937Å +Lundén, A. 5=1689, Thermoelectric power of lithium sulfate +Lundén, A. 5=11906, Molten Li₂MoO₄ conductivity Lundin, C.E. + 5=11990, Solution ideality in Pr-Nd +Lundquist, C. A. 5=13325, Upper atmosphere observations +Lundqvist, S. 5=2887, Collective effects in atomic spectra +Lundqvist, S. 5=14584, Atomic dipole spectra +Lundy, T.S. 5=6583. Sb and Ru diffusion in Ag +Lundy, T. S. 5=12337, Nb⁹⁵ diffusion into Ta Lundy, T. S. + 5=12342, Diffusion of V⁴⁸ in V +Lunezhev, S. P. 5=9691, p-n junction relaxation times Lung Chi-wei. + 5=12522, Critical shear stress of Mo Lunsford, J. H. 5=9550, Fracture strength of glass Lunsford, J.S. 5=509, Nanosecond pulse amplifiers Lunsford, J.S. 5=14022, Logarithmic pulse amplifier Luo, H. L. + 5=6260, Solid solutions in Al-Mg alloys +Luo Yi-zu. 5=8040, Linewidth of lasers +Luova, P. 5=9212, Miscibility for KBr-KI system Luova, P. 5=9349, Diffuse scattering KCl-KBr +Luquet, N. 5=5855, Emission spectrum of SnCl +Luquet, N. 5=8814, New bands for HCl+ and HBr+ Lur'e, K. A. 5=10521, Optimization of fluid in magnetic field + Luria, S. M. 5=355, Color-mixture functions Luria, S. M. 5=14220, Luminance threshold of a stimulus Lurié, D. + 5=436, Four-Fermion and Yukawa coupling Lurio, A. 5=905, P, State of Mg and Ba; h.f.s. of Ba13 +Lurio, A. 5=10696, Light sources for spectroscopy +Lush, G. J. 5=5463, p-He⁴ scattering at 53 MeV +Lüscher, E. 5=12072, Desorption of Au and Cu from W Lushchik, Ch. + 5=9931, Fluorescence in ionic crystals Lushchik, Ch. 5=9935, Recombination luminescence Lushchik, Ch. B. + 5=15115, Color center creation +Lushchik, N. 5=9931, Fluorescence in ionic crystals +Lushchikov, V. I. 5=5356, n polarization by polarized p's +Lust, R. 5=15864, Plasma in interplanetary space +Lüst, R. 5=15868, Study of interplanetary medium Lütgemeier, H. 5=13004, A $^{\rm LII}B^{\rm V}$ n. m. r. lines Luthera, B. R. 5=10361, Heat sources in flow +Lutinski, F. E. 5=4396, $\rm H_2-D_2$ exchange over Ni and Cu-Ni Lütjering, G. + 5=6295, Ordering of Fe₃Al and Cu₃Al +Lutsenko, V. N. 5=2821, The Fe⁵⁰(n, γ)Fe⁵⁷ reaction +Lutsiuk-Khudin, V. A. 5=9241, Self-cleaning of metals +Lutskii, V. N. 5=15412, Electrons from Si junction Luttinger, J. M. 5=3984, Transport coefficients of superconductor +Lüty, F. 5=6653, Z, centres in KCl +Lüty, F. 5=7319, Alkali halide F-centre properties +Lüty, F. 5=13995, Paraelectric heating and cooling +Luty, F. 5=15374, Paraelectric OH-centres in KCl Lutz, H. + 5=1489, Range of ions in solids +Lutz, H. 5=3785, Removal of layers by sputtering +Lutz, H. 5=6658, Ion penetration in diamond Lutz, H. F. + 5=2834, d-Scattering by Ag¹⁰⁷, 100 at 12.0 MeV +Lutz, R. W. 5=13143, Recombination of oxygen atoms +Lutze, E. 5=3365, ESR of Cu complexes in solutions Luukkala, M. 5=7294, Population inversion in NaClO3 +Luyckx, A. 5=4018, High frequency "forming" of CdS +Luyckx, A. 5=4102, Thermoelectric power of Bi +Luyckx, A. 5=4111, Photovoltages in CdS Luyten, J. R. + 5=8658, Errata: μ-capture theory +Luzzatto, G. 5=2043, Causality and conformal invariance Lyamshev, L. M. 5=2085, Vibrations of elastic plates +Lyagushchenko, R. I. 5=5936, Excitation of inert gases. IV +Lyaguschchenko, R. I. 5=11642, Properties of column discharge +Lyapidevskii, V. K. 5=14365, Convection chambers Lyapin, V. G. + 5=6810, Dispersion law in hole bands Lvashenko, S. P. + 5=7296, Optical constants of layers Lyashenko, S. P. + 5=15225, Effective mass in SnO₂ Lyashenko, S. P. + 5=15576, Optical properties in SnO₂ Lye, R. G. 5=12813, Thermoelectric power of TiC +Lygin, V.I. 5=4322, Spectroscopy of adsorbed molecules Lyklema, J. + 5=11852, Flow in liquid films +Lynch, D. W. 5=4115, Photoconductivity in Mg2Si [Ge] +Lynch, F. J. 5=2536, Time-to-pulse-height converter +Lynch, F. J. 5=8545, $d_{\sqrt{2}}$ hole states in Sc +Lynch, G. R. 5=8473, K (725) in K*p interactions at 3 GeV/c

ulla, K. + 5=2920, Scattering of K by He, Ne, År, Xe, and H_2 Lumb, M. D. 5=9127, 'Excimer' fluorescence VI

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+Ma Hiao-chang. 5=4436, Radio waves in tunnels Ma, Y. L. + 5=6726, Fe-Mn dislocation damping peaks Maaskant, W. J. A. + 5=2352, Optical rotatory power +Mabbs, F. 5=5875, Properties of transition metal ions MacAdam, D. L. 5=5119, Color metric coefficients. IV +McAfee, J.R. 5=4476, Variation in exospheric hydrogen +McAfee, K.B., Jr. 5=1055, Ionization coefficients in H and D McAlister, E.D. 5=10037, Measurement of heat exchange in air-sea interface

+McAlpine, J. L. 5=4647, July 20, 1963, solar eclipse +MacBean, I. J. 5=879, Reactivity change in HECTOR +McCaa, D. J. 5=5869, $(\nu_1 + \nu_3)$ band of ozone +McCabe, C. L. 5=6540, Free energies in Fe-Ni +McCaig, D. A. 5=10072, Rain and hail after lightning McCaldin, J. O. 5=6258, Solubility in doped germanium McCallum, G. J. + 5=8675, α-particle scattering by O +McCammon, R.D. 5=4086, Dipole moment of polypropylene McCarley, J. E. + 5=14191, Digital system for spectrophotometric data

McCarroll, R. + 5=1063, Electron capture by He ions McCarroll, W. H. 5=9748, K-Cs-Sb photocathode Macarthur, J. D. + 5=8602, Decay of Ir194 McCarthy, A. L. + 5=8537, 18 new isomers by d bombardment +McCarthy, I. E. 5=14517, Localization of direct interactions +McCarthy, R. F. 5=12140, Ag epitaxial growth on W +McCartin, P. J. 5=11551, Fluorescence in aromatic vapours +McCartney, E. R. 5=6311, System SiO₂-Al₂O₃-P₂O₅ +McCarville, M. E. 5=10728, Magnetic circular dichroism and rotatory dispersion

McCaslin, J. B. 5=490, Electrometer for ionization chambers +MacChesney, J. B. 5=3429, Mössbauer effect in SrFeO_{2.5-3.0} MacChesney, J. B. + 5=4222, Magnetic susceptibility of PrO2 +McChesney, M. 5=323, Interferometry of fringe shifts McChesney, M. + 5=3132, Equilibrium of ionized Xe McChesney, M. 5=5988, Shock-wave in inert gas plasmas McChesney, M. 5=11803, Electronic partition functions McChesney, M. + 5=13922, Xe and Kr shock hugoniots +McClain, E. F. 5=4685, Radio astronomy radiometer +McClure, J. 5=11727, Langmuir probe theory McClure, J. P. 5=13351, Polarization measurements

McClure, J. P. 5=13508, Height of scintillation irregularities +McClure, J.W. 5=793, (p, n) Angular distributions + McClure, J. W. 5=796, Neutron spectra from (p, n) reaction +McClure, J. W. 5=8355, (p, n) Angular distributions +McClure, J. W. 5=8635, n polarization in $C^{13}(p,n_n)$ and $N^{15}(p,n_0)$ +McClure, J. W. 5=11316, n from Be $^9(p,n_0)$ and B $^{11}(p,n_0)$ McCollum, D.C. + 5=1431, Thermal conductivity of EuS McComb, J.A. + 5=1466, Structure of aluminium McCombie, C.W. + 5=1408, Scattering of lattice vibrations. I +McConkey, E. A. G. 5=12426, γ -Rays and optical absorption of glass

McConkey, J. W. + 5=5769, U. V. active-N doublet McConnell, D. B. 5=8299, Computer for magnetic tape

+McConnell, H. M. 5=1793, Molecular orbital degeneracy in C7 +McConnell, H. M. 5=3888, Electronic states in crystals +McConnell, W. J. 5=14312, Condenser as spectrometer. III +McConville, G. T. 5=6880, Superconducting (Nb, Ta, V) $_3$ Sn McConville, T. + 5=3996, Specific heat of superconductors McCormack, P.D. + 5=11847, Vibrations in liquid jets McCormick, J.E. + 5=4839, Ultrasonic convective cooling +McCormick, N. J. 5=8432, One-speed transport theory McCourt, F.R. + 5=3267, Thermal conductivity of a gas McCoy, + 5=3818, Stress relaxation from creep +McCoy, H. E. 5=15178, Nb twinning and interstitial elements McCoy, J. D. + 5=5596, Alpha decay of Pa-230, Pa-228, Pa-226 McCrackin, F. L. + 5=3489, Computation for drude equations McCrea, W. H. 5=13869, Schwarzschild metric release of gravitational energy MacCready, P. B. + 5=10063, Thunderstorm hydrometer charge MacCready, P. B. + 5=10064, Self-charging of melting ice McCreary, J.G. + 5=12, Differential pressure probe +McCulloh, K. E. 5=5956, Ionic processes in mass spectrometer McCullough, R.L. + 5=8845. Contributions to conformational energy McCumber, D. E. 5=2890, Broadband emission and absorption spectra +McDaniel, D. H. 5=8830, Hydrogen bonds. II. HF, ion +McDaniel, E. W. 5=1061, Ion and electron production. I +McDaniel, E. W. 5=1062, Ion and electron production in gases. +McDermott, M. N. 5=5539, Spin and moments of Cd^{113m} McDevitt, N. T. 5=9918, Infrared study of Ag₂O McDevitt, N. T. + 5=11559, Iodoalkanes i.r. absorption spectra McDevitt, N. T. 5=14651, Spectra of biphenyl and biphenyl-d-10 McDiarmid, I. B. + 5=4483, Auroral electron spectra +McDiarmid, I. B. 5=7514, Auroral absorption +McDonald, D. A. 5=2015. Manometers McDonald, D. F. + 5=14029, Multikilovolt pulse generator +McDonald, F. B. 5=11143, Low rigidity cosmic rays +McDonald, F. B. 5=11144, Solar effects on cosmic rays MacDonald, G. J. F. 5=1976, Tidal friction MacDonald, G. J. F. 5=13194, Earth radioactivity and heat flow +MacDonald, G. J. F. 5=13219, Heat production in Earth MacDonald, G. J F. 5=15835, Earth and moon: past and future +Macdonald, I. G. 5=11493, Size of molecules McDonald, J. C. + 5=12519, Rolled Mg alloy orientation McDonald, J. E. 5=13264, Exclusion limits for clouds Macdonald, J.R. 5=13, Accelerated mathematical computation Macdonald, J.R. 5=1601, Electric field penetration into metals +Macdonald, J. R. 5=12431, Atomic stopping cross-sections +McDonald, N. M. 5=2015, Manometers
McDonald, W. J. + 5=11326, Scattering of 14.1 MeV n by Ca⁴⁰ Macdonald, W. M. 5=770, Unified nuclear reaction theory Macdonald, W. M. 5=771, Photonuclear reactions MacDonald, W. M. 5=11292, Shell-model states in continuum +MacDonald, W. M. 5=13421, Geomagnetically trapped particle +McDonough, W. H. 5=7603, Radio noise at 0.700 and 2.200 Mc +MacDowell, C.A. 5=994, Benzene AgClO₄ molecular rotation +McDowell, C. A. 5=999, E.S.R. of NF, radical +McDowell, C. A. 5=5894, Ground-state of nitrenes McDowell, M. R. C. 5=920, Scattering of electrons by C +McDowell, M. R. C. 5=5777, Electron-impact excitation of ato +McDowell, M. R. C. 5=5796, Scattering of electrons by C atom McDowell, M. R. C. + 5=11428, Quadrupole strengths in He McDowell, R.S. 5=2926, Coriolis zeta sums for molecules +MacDowell, S.W. 5=8281, Poles zeros and coupling constants MacDowell, S. W. + 5=11498, Perturbation expansion for bond orders McDuff, O. P. + 5=4959, E. M. wave back-scattering +McDuff, O. P. 5=4990, F. m. laser oscillation

McEachern, D.M., Jr. + 5=3395, Thermodynamics of dimethoxy methane +McEachern, D. M., Jr. 5=9171, Thermodynamics of acetonitri Macedo, P.B. + 5=6155, Viscosity of liquids

McDuffie, G. E., Jr. + 5=1173, Viscosity and relaxation in glyce

Macefield, B. E. F. 5=5669, Energy dependence of (d, p) Macefield, B. E. F. + 5=5682, $U^{238}(d, p)U^{239}$ and $U^{235}(d, p)U^{238}$ McElheny, V. K. 5=7474, Oceanography in Germany McElheny, V. K. 5=13667, Triennial review of astronomy

McDuffie, G. E. 5=9134, Resonance processes in liquids

McElhinny, M. W. + 5=13618, Paleomagnetism of Southern Rhodesia

+McElhinny, M. W. 5=13623, Paleomagnetic results from Africa McElligott, P.E. + 5=9070, Motion in a vacuum system +McElroy, M.B. 5=2921, Coupling in p-H collisions +McElroy, M. B. 5=15730, Ionospheric electron temperatures

Elvain, R.J. 5=4521, Satellite angular momentum removal

Evily, A.J., Jr 5=15140, Reversion during cycling of Al allow

cEvily, A. J., Jr. + 5=15159, Stress corrosion cracks in brass

McEvily, A. J. 5=3744, Dislocations in Al alloys McEvily, A. J., Jr. 5=9539, Fatigue crack formation

```
McEvoy, J. P. 5=6887, Current-carrying behavior of Nb<sub>3</sub>Sn
Evoy, J. P. 5=6890, Nb.sn critical-state and flux jumping Farland, R. H. 5=2221, Low-energy electrons in He
cFarland, R. H. + 5=8954, Ionization cross-section of Li
McFarland, R. H. 5=11824, Production of vacuum
cFarlane, A. A. 5=6557, Fizeau dilatometer
Macfarlane, A. J. 5=412, Unitary symmetry theories
Macfarlane, A. J. 5=436, Four-Fermion and Yukawa coupling
Farlane, R. A. 5=275, Laser oscillation and Yukawa coupling the second of the second control of the second coupling the sec
acFarlane, R. D. 5=11276, a-decay of Lu and Hf isotopes acfarlane, R. M. 5=9915, Ground-state splitting in ruby
McFarlane, W. K. 5=8409, p-p forward scattering at 1.7 GeV/c
Garvey, B.R. 5=3427, Spin Hamiltonian for Cr III complexes
McGeachin, H. McD. 5=1370, Crystal structure of (NH<sub>4</sub>)<sub>2</sub>H<sub>2</sub>P<sub>2</sub>O<sub>6</sub>
McGee, E. E. 5=1051, Ion dissociation in drift tube cGee, J. J. + 5=4406, Photolysis of nitric oxide
Gee, J.J. + 5=4407, Photolysis of nitric oxide
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McGee, R.X. 5=4615, Oh near galactic centre
cGee, R.X. 5=10156, Large magellanic cloud
cGehee, R. M. 5=13256. Effect of thunderstorms on pressure
cGervey, J.D. + 5=2600, Positron lifetime
cGill, I.S. 5=5567, Decay chain member yields
MacGillavry, C. H. 5=12254, Crystal structure of iron
   cupferron
MacGillavry, C. H. 5=12266, Structure of triphenylmethyl
    perchlorate
McGlinn, W. D. 5=2411, Symmetries in soluble model
McGlynn, S. P. 5=2946, Energy of excimer luminescence. I
McGlynn, S. P. 5=2947, Energy of excimer luminescence. II
McGlynn, S.P. 5-4119, Photoconductivity of anthracene cGowan, J. C. 5=11940, Vapour pressure estimation
cGowan, J. W. + 5=8962, Impact ionization of O.
cGowan, S. 5=5958, Ion-ion recombination air
cGowan, W. + 5=3131, Collisions of excited {\rm O_2}^+ and {\rm N_2} cGrath, J. T. + 5=9468, Dislocations in fatigued iron
cGrath, J.W. + 5=4269, Motion of H<sub>2</sub>O in K oxalate monohydrate McGrath, R. L. 5=5691, Li<sup>7</sup>(Li<sup>7</sup>, He<sup>5</sup>)Be<sup>8</sup> reaction
McGrath, W.D. 5=11603, Free radicals in photolysis
cGraw, G.E. + 5=5868, Vibrational spectra of nitric acids
McGraw, R.B., Jr. 5=6388, Growth of yttrium iron garnet
McGruer, J. N. 5=526, Mura electron accelerator. VIII
McGruer, J. N. 5=533, Mura electron accelerator. XV cGuire, J. B. 5=13887, Interacting fermions. I
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achacek, M. + 5=893, He atoms. I
achacek, M. + 5=11426, Finite-mass helium atoms. II
Machali, F. 5=2813, The reaction {\rm Li}^7(p,\alpha){\rm He}^4 cHahon, G. W. 5=4800, Hydrophone calibration
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cHargue, C. J. + 5=15178, Nb twinning and interstitial elements
Macherauch, E. 5=6699, Plastic deformation of \alpha-brass achida, S. + 5=10826, Structure of baryons and mesons
Maciel, A. 5=11229, Angular correlation in liquids
McIntosh, B.A. 5=4642, Meteor radar statistics. I
cIntosh, B. A. + 5=13752, Radar meteor counts
McIntosh, H. V. 5=10758, Degeneracy of harmonic
    oscillator
cInturff, A.D. + 5=641, Sigma photoproduction
McIntyre, H. A. J. 5=5750, Polarizabilities of beryllium
    sequence
McIntyre, R. J. 5=2523, Li-drifted radiation detectors
Macintyre, R. M. 5=8728, Mass spectrometer for Ar analysis
cIrvine, E. C. + 5=1809, Electron-nuclear double-resonance cIsaac, L. D. 5=8562, Levels of Au<sup>197</sup> from Hg<sup>197,197m</sup> and Pt<sup>197</sup>
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Mack, D. A. 5=2541, Scanning system for spark chambers
Mack, J. 5=14913, Ca segregation in As-13 alloys
MacKay, C. 5=7429, Acetylene formation
Mackay, D. 5=2099, Single pulse shock tube
ackay, T. L. 5=15618, Oxidation of Zr
acke, W. + 5=1134, Equilibrium of rotating fluid
acke, W. + 5=14715, Hydrodynamic approximation for plasma
cKean, H. P. Jr. + 5=13814, Isoperimetric problem
McKee, B. T. A. 5=3957, Positron annihilation in metals
                                                       A 103a
```

```
+McKee, J. S. C. 5=568, p + p \rightarrow d \times \pi^+ at 990 MeV +McKee, J. S. C. 5=8409, p–p forward scattering at 1.7 GeV/c
 +McKellar, J. F. 5=11885, Ultrasonics of non-electrolyte solutions
McKelvey, J. P. + 5=12698, Transport in semiconductors +McKenna, J. 5=7803, Continuous-representation theory. V
MacKenzie, I. K. + 5=3957, Positron annihilation in metals
Mackenzie, K. R. 5=14375, Cyclotron beam enhancement
+McKeown, M. 5=735, Isomer Re<sup>188m</sup>
+McKeown, M. 5=11233, Decay of Eu<sup>152m</sup>2
McKerrell, A. 5=2446, Relativistic particle states
+McKibbin, D. D. 5=13466, Ionospheric ion traps
+Mackie, J. C. 5=11665, Photodetachment of chloride
+Mackie, J. C. 5=12577, Charge-transfer in crystalline anthracene McKinley, J. D. 5=1905, Yttrium-chlorine surface reaction
+McKinley, J. D. 5=8835, Spectra of isolated NiF<sub>2</sub> and NiCl<sub>2</sub>
McKinley, R. W. 5=2096, Response of glass to sonic booms
McKinney, J. P. + 5=10739, Luminous-design phenomena
+McKinstry, H. A. 5=6310, Quartz and cristobalite transitions
Mackintosh, A. R. 5=1578, Fermi surface of metals
Mackintosh, A. R. + 5=15428, Magnetoresistance in rare earths
+Mackintosh, A. R. 5=15473, Magnetic scattering of neutrons in Cr
Macklen, E. D. 5=6842, C electrical contact properties. IV Macklin, R. L. + 5=817, Neutron capture and transmission
+Macklin, R. L. 5=11365, Total cross section for {}^9\mathrm{Be}(\alpha, n)^*
Macklin, R. L. + 5=15791, Stellar neutron capture
+Mackor, E. L. 5=1185, Light-scattering in liquids
+Mackor, E. L. 5=3335, Light-scattering in liquids
+Mackor, E. L. 5=6178, Light-scattering in liquids
 +Mackor, E. L. 5=8885, Molecular n. m. r. contributions
McKoy, V. + 5=896, Theory of atoms and molecules. V
+McLachlan, A.D. 5=1583, Excitation waves in a molecular
      crystal
McLachlan, A. D. 5=5826, Resonance transfer of molecular energy
McLachlan, A. D. + 5=11616, Optical rotation in polymers
McLane, C. K. + 5=11653, Magnetically confined arc
McLaren, A. C. 5=9465, Dislocation substructures in Cr
McLaren, K. G. 5=12538, Dynamic mechanical studies of
      polytetrafluoroethylene
McLaughlin, D. B. 5=4578, Spectra of novae
+McLaughlin, J. E. 5=11013, Transport theory of β-dosimetry MacLean, C. + 5=8885, Molecular n. m. r. contributions
 +MacLean, D. J. 5=2134, Voice-excited vocoder
 McLean, M. + 5=12531, Pt non-octahedral slip
 +McLean, T. P. 5=15536, Parametric amplification
McLellan, R. B. 5=3703, Thermodynamics of dilute Ag-O
      and Fe-N
 +McLennan, J. A. 5=7753, Statistical mechanics of viscoelasticity
 +MacLeod, J. E. S. 5=15376, Breakdown in dielectric films
 +McMahon, D. H. 5=9759, Photomultiplier tube cooling device
McMahon, D. H. + 5=13033, ADP 2nd harmonic generation +McMahon, P. E. 5=8845, Contributions to conformational energy
+Macmahon, T.J. 5=656, He³ from D interactions
+McMahon, W.J. 5=7054, Photoelectric yields
+McManigal, P.G. 5=610, p polarization in \pi^\pm-p scattering +McManigal, P.G. 5=2646, \pi^\pmp Elastic scattering
McManigal, P. G. + 5=8407, Polarization in proton scattering +McManus, H. 5=5616, Inelastic scattering of nucleons
+McMaster, A.D. 5=3504, Oxide layers on An and Ni films
+McMaster, A.D. 5=12043, C and SiO films
McMillan, J. A. + 5=6292, Hydrazine-water system. I
McMillan, J. A. + 5=11935, H<sub>2</sub>NNH<sub>2</sub>-H<sub>2</sub>O phase transformations +McMillan, J. W. 5=6608, Oxygen deficiency in Ca compounds
McMillan, M. 5=11131, Triton wave function
+Macnair, D. 5=15291, Superconductivity in graphitic compounds McNally, D. 5=4613, Collapse of gas clouds. I
McNarry, L. R. + 5=7664, Radio observations of solar eclipse
 +McNeill, D. B. 5=7705, Dictionary of scientific units
McNeill, D. J. + 5=7026, Monosilicide electrical properties
+McNelis, M.D. 5=957, Molecular constants of NO
+McNesby, J.R. 5=7348, U.V. transmittance of LiF, CaF<sub>2</sub>, BaF<sub>3</sub>
MacNichol, E. F. 5=10745, Three-pigment vision
MacNicol, D. D. + 5=8870, Internal rotation in p-nitrosodi-
      methylaniline
McNish, A. G. 5=10206, Lasers for length measurement
McNutt, D. P. 5=10687, Pepsios spectrometer, II. +McPherson, D. 5=854, Fluctuations in C^{12}(C^{12}, \alpha)
+McPherson, D. 5=855, Cross-sections for C^{12}(C^{12}, \alpha)Ne^{20}
McPherson, D.A. + 5=2632, Photopion production from H
McPherson, D.A. 5=3154, Hydro-magnetic wave and electricity
McPherson, R. + 5=8592, Protons following 21Mg and 25Si decay
+Macq, P.C. 5=841, Scattering of \alpha-particles on C^{12}+McQuaid, P.E. 5=4054, Characteristics of Si p-n junctions
```

Mahalanabis, R. K. 5=13847, Thermo-elastic problem

```
McQueen, R. G. + 5=13214, Composition of the earth
+MacQueen, R. M. 5=7679, Infrared observations of corona
Macqueron, J. L. + 5=4099, Measurement of Peltier coefficient
+McQuillan, A. D. 5=9066, Pirani gauge
McQuillan, J. D. R. 5=1748, Magnetodynamics of ferromagnetic
     films
Macrae, A. U. 5=3672, Surface atom vibrations
Mac Rae, A. U. 5=3518, Adsorption of O on Ni
McRae, E.G. + 5=3542, Lithium fluoride (100) surface
+MacRae, R.A. 5=4324, Optical constants of Ag films
McRickard, S. B. + 5=12509, Fe yield stress twinning effect
McSkimin, H. J. + 5=3849, Moduli of Si and Ge
McSkimin, H. J. 5=11886, Velocity of sound in water
+McVicar, D. D. 5=922, Scattering of electrons by He+
 +McVicar, D.D. 5=5799, Resonant scattering of electrons by He+
McVickers, R. C. + 5=6055, Thermal shock of plasma-device
McVittie, G. C. 5=1963, Gravitational collapse
McVittie, G. C. 5=7616, Oscillations of Quasars
+McVittie, G. C. 5=10262, Schwarzschild space-time
McVoy, K. W. 5=14253, Symmetry groups in physics
McWeeny, R. 5=11587, Spin-Hamiltonian parameters
McWhan, D. B. 5=12487, Cd and Zn compressibility
+McWhorter, A. L. 5=14093, Electromagnetic mode mixing
+ Madan, M. P. 5=3414-5, Cohesive energies. I-II.
+Madan, M. F. 3-311-3, Conserve the facts. Th. +Hadansky, L. 5-622, π'-d interactions +Madden, G. I. 5=1321, Grain growth in microstructures
Madden, H. H. + 5=186, Transfer of liquid helium
+Madden, R. P. 5=10963, "Synchrotron light"
Madden, T.C.+ 5=2518, P-N junction particle detectors
+Maddin, R. 5=12409, Comment on paper by Cotterill and Doyama Madelung, O. 5=4011, Physics of III-V compounds
+Mader, J. 5=4125, Exoelectron emission from Al
Madey, T.E. + 5=9255, Desorption of Sr from W
Madey, T. E + 5=10001, Chemisorbed CO isotopic mixing in
+Madjid, A. H. 5=4126, Emission of electrons from Si
+Mae, S. 5=1521, Plastic yielding in ice
Maeda, H. 5=13332, Electric fields in magnetosphere
Maeda, H. + 5=13615, Geomagnetic effect of explosion
Maeda, K. 5=11174, Cosmic-ray muons in atmosphere
Maeda, K. 5=13334, Acoustic heating of mesosphere
Maeda, K. 5=14569, Ion collector of mass spectrometer
Maeda, K. 5=14575, Mass spectrometer magnet supply
Maeda, K. 5=15597, Luminescence in GaP
Maeda, K. + 5=15717, Rocket observation of ionosphere
Maeda, K. I. 5=15694, Electrons in magnetosphere
 +Maeda, S. 5=9287, Single crystal foils of tin
 +Maeda, Y. 5=11076, Four-momentum transfer
+Maeder, P. F. 5=4826, Transfer of heat from plate
+Maekawa, E. 5=6759, Mechanical properties of rubbers. I
+Maekawa, S. 5=1663, Si P-N junctions
Maekawa, S. + 5=12990, P<sup>31</sup> doped Si spin relaxation
Maekawa, T. 5=10833, Problem of bound states. II
Maeland, A. + 5=9334, Au-Pd lattice spacing
Maenhout, A.G. 5=4450, Uccle radiosonde measurements
 +Maenhout-Van der Vorst, W. 5=15581, Yellow colour of heat
      treated ZnO
Maenhout, W.+ 5=2357, Charging of ZnO
Maer, K., Jr.+ 5=15883, Solar wind and geomagnetism
Maes, S. + 5=11566, Rotation spectra of CHF<sub>3</sub>
 +Maevskii, V. M. 5=15501, E. P. R. of Mn<sup>2+</sup> in CdS
 +Magaldadze, V. A. 5=5919, Heat of fusion of macromolecules
 +Magalinskii, V. B. 5=10287, Particles with Coulomb
      interaction
 Magar, R. + 5==5022, Construction of ruby laser
Magari, S. + 5=11411, Filament mount for mass spectrometer
+Magda, M. T. 5=848, Evaporation spectra of neutrons
 +Magi, A. 5=15687, Cs137 in Swedish milk
Magialajo, M. + 5=811, Neutron scattering on S32
Magill, J. H. 5=3566, Crystallization of TMPS polymers
Magiros, D. G. 5=13651, Motion modified by force
+Magistrelli, F. 5=3223, Generating an alkali plasma
 +Maglic, B. 5=8443, Search for unstable particles
 +Maglic, R. 5=5367, 3-crystal neutron spectrometer
 +Maglić, R. 5=7167, Spin fluctuation scattering of pyrrhotite
Magnasco, V.+ 5=3092, Molecular conformation in polymers
 +Magnum B. W. 5=7141, Nd[Ce]Cl<sub>3</sub> magnetic transitions
Magnuson, G. D. + 5=7978, Source for metal ions
Magono, C. + 5=9703, Air in ice and frictional charge
 +Maguire, E. A., Jr. 5=6597, O ion diffusion in YIG
+Mahadevan, P. 5=7978, Source for metal ions
```

```
Mahalingham, S. 5=98, Natural frequencies of plate
Mahan, G.D. 5=1582, Davydov splittings in anthracene
+Mahanta, P.C. 5=977, Azobenzene-2-sulpheny dipole moments
+Mahanthappa, K. T. 5=14261, Resonances in U<sub>3</sub> ** U<sub>3</sub> symmetry
Mahendru, P. c. + 5=14117, Microwave measurements
Mahesh, K. 5=5265, Efficiency of perspex Cerenkov counter
Mahesh, P.S. + 5=3668, Debye-Waller factors of Cu and Au
Mahesh, P. S. 5=6427, Debye-Waller factors of Al, Ag, Na
+Mahieu, J. M. 5=5839, Visible band spectrum of AlO
Mahn, C. + 5=5952, Raising temperature of arc
+Mahoux, G. 5=14240, Renormalization and bound-state
Mahr, H. + 5=15603, Lifetime of I center in KCl
Maiani, L. 5=8382, Neutrino SU(3) relations
Maidanik, G. 5=11813, Sound in rarefied gases. I
Maidanik, G. + 5=11814, Sound in rarefied gases. II
+Maier, B. P. 5=5552, Transitions and levels in Dy165
Maier, G. 5=6462, Cation distribution of spinel (MgAl<sub>2</sub>O<sub>4</sub>)
 +Maier, G. 5=9163, Nuclear spin relaxation in benzene
+Maier, K. 5=9498, Alkali halide F-absorption band
+Maier, M. 5=11555, Vibrational interaction in liquids
+Maier, R.G. 5=1309, Gas-phase Nb<sub>3</sub>Sn
+Maier, R. G. 5=12714, Semiconducting mixed crystals
+Maier, W. 5=244, Fabry -Perot interferometer for microwave
Maier, W. B., II. 5=11672, Dissociative ionization of molecules
Maikapar, G. I. 5=11796, Calculation of streamlines
Makhotkin, L. G. 5=15674, Electric field variation during
     lightning
Mainthia, S. B. + 5=1658, Conductivity of complexes
Mainwaring, E.E. 5=3279, Sorption and rotary pumps
+Maiorov, A. V. 5=1445, Diffusion of antimony in silicon
+Maisinovich, V. I. 5=4200, Magnetostriction in Si iron
Maissel, L. I. + 5=6655, Film sputtering
Maiwald, W. + 5=9239, Surface migration of Rh
+Majer, J. R. 5=4386, Thermal decomposition of \mathrm{NH_4ClO_4} +Majoni, G. 5=5280, Pulse shape discriminator
+Major, K. G. 5=12657, Resistivity of n-irradiated U
Majumdar, A. J. + 5=6310, Quartz and cristobalite transitions
Majumdar, M. + 5=6284, Phase change in CoSiF<sub>8</sub>. 6H<sub>2</sub>O Majumdar, R. 5=604, J = \frac{1}{2}<sub>2</sub> T = \frac{1}{2}<sub>2</sub> N phase shifts
+Majumdar, S. 5=8114, Time resolved photoelectric spectrogra
+Mak, A. A. 5=289, Emission spectrum of CaF<sub>2</sub>:Sm<sup>2*</sup> laser
+Mak, A. A. 5=2303, Resonator characteristics of laser
+Mak, A. A. 5=10628, Light amplification
+Makae, T. 5=784, Si^{26}(\gamma,p)Al^{27} and Si^{26}(\gamma,\alpha)Mg^{24} reactions +Makarov, V. P. 5=7321, Spectra of Sm^{2}: alkali earth fluorides +Makarov, V. P. 5=13026, Exciton absorption range
+Makarova, E.A. 5=4472, Atmospheric O line in 1.27-µ band
Maker, P. D. + 5=9888, Polarization optical effects
+Makhan'kov, V.G. 5=3168, Wave interactions in a plasma
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 Makhon'ko, K. P. 5=13314, Wash-out parameters of atmosphere
 +Makhovik, A. K. 5=9685, Electrical conductivity in permangan
+Maki, A. H. 5=3367, Free radical spin exchange
+Maki, A. H. 5=9847, E. S. R. of phosphorescent quinoline
 +Mäki, I. 5=9226, Cu-Zn alloy formation
Makin, M. J. 5=9442, (012) loops in Al
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 +Makin, M. J. 5=9455, Edge dislocations and dipoles
+Makino, F. 5=2695, Pulse height telemetry
+Makino, I. 5=8126, Far infrared spectrophotometer
 +Makishima, S. 5=14980, Growth of SnO<sub>2</sub> single crystals
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 +Makowski, Z. 5=15409, Lifetime of Ag-O-Cs photocathodes
 Maksimova, N. D. 5=15590, X-ray luminescence +Maksymowicz, A. 5=8461, K_{\rm e4} and low-energy \pi-\pi shifts
 +Malakhov, G. V. 5=15184, Internal friction in AgCl
 Malakhov, S. G. 5=8579, Radioactive decay of isotopes
Malamud, H. 5=3049, Relaxation time and transition probability
 +Malarkey, E.C. 5=13104, CdS injection electroluminescence
 +Malaviya, V. 5=4634, Martian atmosphere
 +Malčić, S. S. 5=12228, Crystal structure of Na<sub>5</sub>Zr<sub>2</sub>F<sub>13</sub>
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+Malecki, H. 5=7976, High-frequency ion source

Maleev, S V. 5=15025, Vibrational spectrum in crystals

+Malein, A. 5=8138, Performance of a laser as an interferome
 +Malek, R. 5=4689, Neuroanatomic studies
```

+Mahalanabis, J. 5=11214, T=0, 1 states of Li^6

```
falewski, S. 5=2866, Critical assemblies of the NPY-project
falfait, L. 5=6112, Toepler pump and microvolumetric device
Ialhotra, P. K. 5=2563, "Persisting baryon" Ialhotra, P. K. 5=2607, \rightarrow N<sub>2</sub> \alpha-particle m.f.p. in emulsions
lhotra, P. K. 5=5389, Charged \pi in \pi^- + N at 4.4 GeV
Malik, A. K. 5=12561, Zn creep and thermal stability
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llin, S. 5=5343, e.m. corrections to p—p scattering
Ialinaric, P. 5=2519, Nuclear particle detector
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Malinowski, S. 5=13133, Fluorescein—Al luminophores
Malkevich, M. S. 5=13241, Temperature and humidity profiles
Malkmus, W. 5=5821, Intensity of vibrorotational bands
Mal'kova, A. A. 5=12744, HgTe galvanomagnetic properties Mal'kova, A. A. 5=13061, Optical and photoelectric properties
 of HgTe
Mallen, J. 5=3835, Liquid phase from 430°C in Be allett, J. F. W. + 5=12176, A diffraction geometry suitable for
 high and low temperature single crystal work
Mallon, C. E. 5=6197, Thermoelectric semiconductor solutions
Mallya, R. M. 5=6550, Heat capacity of glycerol glass
Malm, J. G. 5=11535, KrF_2 i.r. and Raman spectra Malm, J. G. 5=14867, Preparation and n.m.r. of KrF.
almberg, C. G. 5=14862, Electrical conductivity of "sea water"
ulmberg, J. H. 5=3184, Magnetic probe resolution
almberg, J. H. + 5=3210, Damping of electrostatic plasma waves
almskog, S. G. 5=8556, E1 transition in Yb177 and Hf179
Mal'nev, A. F. 5=10352, Thermal-radiation detectors
Malnyev, A. F. 5=10355, Metal vacuum bolometers
aloney, W. T. 5=11654, Investigation of arc plasmas
Malos, J. 5=14441, K_2^o \rightarrow \pi^+ + \pi^- decay Malpass, V. E. 5=6157, Ion association and electrolyte viscosity
Malthotra, P. L. 5=15749, Geomagnetic anomaly during IGY
Mal'tsev, V. M. 5=667, Cascade interactions
Malvezzi, A. 5=6335, Systems Ge<sub>2</sub>S-Sb<sub>2</sub>S<sub>3</sub> and GeS<sub>2</sub>-As<sub>2</sub>S<sub>3</sub>
Malvano, R. 5=779, Photoneutrons from medium elements
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aly, B. + 5=10923, 12 Channel amplitude analyzer
Malyshev, G. M. 5=14192, Aperture ratio of spectral devices
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Malyshev, I. F. 5=9015, Characteristics of "TOKAMAK - 3"
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alyuchkov, O. T. + 5=3646, PMR of hydrides of Ti-V
alyuta, Yu. M. 5=8226, Unitary symmetry and Regge poles
alyuta, Yu. M. 5=10883, Unitary symmetry and Regge poles
Malyutina, G. L. 5=1461, Au doping addition distribution in Ge
Mamalui, Yu. A. 5=7124, Magnetic permeability in Ferroxplana
amyrin, B. A. 5=13808, Frequency meters
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amyrin, B. A. + 5=14819, Mass spectrum of residual gases analis, M. + 5=5673, Li (d,\alpha) between 175 and 300 keV
Manara, A. 5=15281, Excess conductivity during deformation of
  alkali halides
Manatt, S. L. 5=8890, Propylene and indene oxide n. m. r.
Mancá, P. 5=6794, Forbidden band and thermodynamics anca, P. + 5=12622, Behaviour of exciton states anca, P. + 5=11986, AgFeTe<sub>2</sub> semiconductor "compound"
anche, E. P. + 5=177, Temperature in thermogravimetry
Mancke, R. C. 5=6750, Mechanical properties of rubbers. I
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andel, G. + 5=1870, Electroluminescence from CdTe junctions
Mandel, G. 5=4366, Electroluminescence in Zn,Cd<sub>1-x</sub>Te
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andelkern, L. + 5=6353, Nucleation of long-chain molecules
andel'shtam, S. L. + 5=10634, "Sparks" in laser focussing
andelstam, S. 5=10879, Vector-spinor theory andelstam, S. + 5=13762, X-ray radiation of sun
andel'tsveig, V.B. 5=5178, Irreducible representations of SU<sub>3</sub>
Mandeville, C.E. 5=728, Nuclear transitions in Cs<sup>133</sup>
Mandeville, C.E. 5=2755, Au<sup>197</sup> nuclear transitions
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```

Manedov, K. P. + 5=3568, Selenium crystallization +Manenkov, A. A. + 5=4241, Dynamic polarization in polyethylenes Manenkov, A. A. + 5=8037, Three level masers +Manenkov, A. A. 5=12975, E. S. R. of Cr ions in CdWO Manero, F. + 5=5654, Neutron cross sections of C, Ca and Fe +Manesse, D. 5=11317, p+B¹¹=3 α and d+B¹⁰=3 α +Manfredi, P. F. 5=8307, Counting statistics +Manfredotti, C. 5=8441, Intermediate boson in ν interactions Manger, H. + 5=5017, Axial modes in CaWO₄:Nd³⁺ laser +Manger, W. P. 5=4520, Attitude control of satellites Mangeron, D. 5=10233, Nonlinear mechanics Mangulis, V. 5=7843, Propagation of sound Mangulis, V. 5=10324, Sound from circular disk +Mangum, B. W. 5=10381. Fixed point for thermometry +Mangum, B. W. 5=10001, Fixed point for the includes 3 +Mangum, B. W. 5=12913, Low-temperature magnetic transitions Mani, G. S. + 5=5627, Reaction Li'(p, α) α up to 12 MeV Mani, G.S. + 5=8380, Programmes for nuclear analysis +Mani, G. S. 5=8666, Resonances in Li⁶(d, α) α and Li⁷(p, α) α Mani, G. S. + 5=8667, Li⁶(d, α) α reaction +Mani, H.S. 5=8401, Electric dipole moment of nucleons Maninger, R. C. 5=15266, Resistance of exploding wires +Manka, C. K. 5=13924, Exploded wire translational equilibration Mankarious, R. G. 5=4017, Hall mobility in CdS films +Man'ko, V.I. 5=2740, F¹⁹ nuclear levels Manley, A. J. 5=14995, Thinning of UO₂ +Manley, B. W. 5=14076, Channel electron multiplier Mann, A. E. 5=15770, Solar simulation +Mann, D. E. 5=1914, Flash-photolysis spectroscopy Mann, H. M. + 5=2520, Response of semiconductor detectors Mann, H. M. + 5=5266, Li-drifted Si detector radiation damage Mann, L. G. + 5=5577, Asymmetry parameters in allowed β decay +Mann, W. B. 5=8569, Calibration of N. B. S. radioactivity standard +Mannami, M. 5=15118, Damages in LiF +Mannelli, I. 5=2639, Structure in π^- -p charge exchange +Manning, G. 5=14441, $K_2^\circ \to \pi^+ + \pi^-$ decay Manning, I. 5=14, Solution of Fredholm Equation Manning, J. R. 5=3704, Correlations in impurity diffusion Manohar, H. + 5=9327, Ba ion crystal coordination +Manojlovič, L. M. 5=12228, Crystal structure of Na₅Zr₂F₁₃ Manor, H. + 5=10192, Fluid transfer

Mansfield, P. 5=9852, NMR transients in solids

Mansfield, R. + 5=15555, Microwave Faraday effect Mansikka, K. 5=9221, NH₄Br I ← II modifications +Mansikka, K. 5=9224, Polymorphic transformation of CsCl Mansinha, L. 5=9527, Propagating constant fracture Mansmann, M. + 5=6456, The structure of HoD3 +Manson, J. E. 5=7054, Photoelectric yields +Manson, N. 5=3143, Thermodynamics of plasmas +Manson, N. 5=14706, Thermodynamics of ionized H Mansour, N. A. + 5=11354, N¹⁴(d, α) from 1 to 2.5 MeV Mantakas, C. + 5=10939, Rapid coincidence unit Mantakas, Ch. 5=5278, Single channel analyser +Măntescu, L. 5=873, Fuel burn-up in reactor +Manthorpe, S. A. 5=9543, Annealing in Cu crystals Mantrov, V. M. 5=5947, Extinction of auxiliary Hg arc +Mantrov, V. M. 5=6217, Measurement of Hg vapor density +Manuel, O. K. 5=15854, γ Radioactivity in Fayetteville meteorite Manuilova, A. A. + 5=15482, Ferromagnetic resonance in YIG Many, A. + 5=4025, Surface breakdown in Ge Many, A. 5=15241, Tunneling across CdS electrolyte interface Many, A. 5=15402, CdS high field photoconductivity +Mangkin, E. A. 5=15528, Light harmonics in semiconductors Manz, B. 5=10649, Doppler shift through gases Manzel, M. + 5=2161, Temperature controller +Manzel, M. 5=7109, Magnetization of cubic ferromagnetics Manzel, M. + 5=9832, Magnon-phonon resonance in ferromagnets +Manzhelii, V. G. 5=15194, Density of crystalline Xe +Maor, U. 5=14430, Photopion production +Mapleton, R. A. 5=11670, Electron capture cross-section +Maqueda, E. 5=14467, γ -vibrational state Maradudin, A. A. 5=6505, Localized vibration mode Maradudin, A. A. 5=15035, I. R. lattice absorption in KI Marathay, A. S. + 5=10221, Zeros of causal transforms Marcatili, E. A. J. 5=10555, Miter elbow for electric mode Marcazzan, G.M. + 5=2835, Scattering chamber +March, A. R. S. 5=2502, Cavity ionization chambers +March, N. H. 5=1169, Ion-ion potentials in liquid metals +March, N. H. 5=1618, Electron-phonon interaction of sodium +March, N. H. 5=6543, Specific heats of alloys +March, N. H. 5=9021, Correlation functions classical fluids +March, N. H. 5=12205, Charge distribution in Fe and Cr +March, N. H. 5=14891, Liquid and crystal structure of metals

```
+March, P. V. 5=5499, Decay of heavy hypernuclei
+March, R. 5=2671, \tau^{+} Branching ratio
+March, R. 5=8470, \mu polarization from K_{\mu 3}^{+} decay
Marchand, A. + 5=7217, E.P.R. study of pregraphitic carbons
Marchand, E. W. 5=14179, Line to point spread function
Marchand, J. P. 5=2422, Scattering system with decaying states
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 +Marchenko, A. I. 5=4121, Photovalve systems of Cu-CdSe
+Marchenko, A. I. 5=14016, Dielectric constant measurement
 +Marchessault, R. H. 5=3385, Scattering of light by gels. I
+Marchi, R. P. 5=9083, Quantum fluid lattice model. I
+Marchi, R. P. 5=9087, Structure of CCl_4 and C_8H_{12} mixtures Marchildon, E. K. + 5=10311, Oscillations of falling discs
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Marcinkowskii, M. J. + 5=9560, Flow stress in FeCo alloy
Marcinkowsky, A.E. + 5=11874, Diffusion in liquids by porous-frit
+Marcinkowsky, A.E. 5=11904, Electrical conductance of AgNO<sub>3</sub>
     solutions
 +Marco, F.J. 5=15349, Electron injection in copper phthalo-
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 +Marcus, J. A. 5=9767, Zn de Haas-van Alphen effect
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+Marcus, S. M. 5=3956, Cyclotron resonance in Au
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 +Marczewski, A. 5=7976, High-frequency ion source
Mardion, G. B. + 5=12961, Magnetic properties of steel
Marezio, M. 5=12210, Crystal structure of LiGaO<sub>2</sub>
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Margerum, E. A. + 5=2348, Scattering by graphite spheres
Margolis, J. S. + 5=11406, Quantum transition and Raman action
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+Margrave, J. L. 5=1217, Mass spectrometric studies. II
+ Margrave, J.L. 5=3073, III. Dissociation of MgF, SrF and BaF
+Margrave, J. L. 5=6221-2, Mass spectrometry. V-VI
Margulis, M. A. 5=15624, Ultrasonic initiation of chain reaction
 +Mariani, E. 5=7004, Loss relaxation of NaCl crystals
 +Mariani, F. 5=13315, Artificial radioactivity in Autumn 1962
Mariani, F. 5=13520, Geomagnetic anomaly in F<sub>2</sub> layer
Mariani, F. 5=13523, F-region
+Mariano, J. 5=1921, Surface temperature of the earth
 +Mariano, J. 5=15845, Model of Venus atmosphere
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+Marin, P. 5=8397, Stored et and e interaction
+Marinace, J.C. 5=4348, Light emission from p-n junctions
+Marinace, J. C. 5=13049, GaAs injection laser
Marinace, J. C. 5=15550, GaAs injection lasers
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+Marinescu, N. 5=4049, Ge junction characteristics
+Marinov, A. 5=1239, Mössbauer effect in Ta<sup>181</sup>
+Marinov, A. 5=14552, Angular distributions in (\alpha, p) reactions Marinov, M.S. + 5=14269, Singularities of helicity amplitudes
+Marinova, K. 5=9741, Electrical oscillations in CdS
+Marion, J. B. 5=5685, B11(He3, Li6)Be8 reaction
Maris, H. J. 5=9379, Path of phonons in quartz
Maris, Th. A. J. + 5=5167, Electron-muon problem
+Marish, K.S. 5=2610, → 650 MeV p elastic scattering
+Mark, H. 5=11137, Photomultipliers at high altitudes
+Mark, H. 5=13101, M-shell fluorescence
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Mark, W.D. 5=24, Joint Rayleigh probability density
 +Markevich, I. V. 5=12823, Photocurrent noise CdS crystals
+Markiv, V. Ya. 5=3641, Rare-earth-Ga<sub>3</sub> compounds
+Markiv, V. Ya. 5=3650, Crystal structures of rare-earth-
     In<sub>3</sub> systems
Märkl, H. 5=8710, "Streaming" effect in reactor
+Markov, B. N. 5=11347, Spontaneously fissioning Am
+Markov, P. 5=2644, π-p Scattering
+Markov, P. 5=8410, p-p scattering from 2 to 10 GeV
+Markov, P. K. 5=8458, \pi -p scattering at 4 GeV/c
+Markova, G. S. 5=1288, Temperature changes in polymers
Markova, G. V. + 5=8750, Cs and Na excited states
+Markova, L. S. 5=7051, Thermal emission
+Marković, V. 5=5367, 3-crystal neutron spectrometer
 +Marković, V. 5=7167, Spin fluctuation scattering on pyrrhotite
```

```
Markovitz, H. 5=10193, Manostat for near ambient
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+Markovskii, L. Ya. 5=15604, Luminescence of ZnSe
+Markus, G. 5=8494, Nonexistence of stable tetraneutrons
+Marley, J. A. 5=7368, U.v. absorption edge of \rm SnO_2 Marlow, K. W. 5=5537, Precision gamma ray measurements
+Marmet, P. 5=2876, Quadrupole mass filter
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Marochnik, L.S. 5=2236, Stationary m.h.d. turbulence
Marochnik, L.S. 5=7645, M.H.D. in comets
Marquardt, W.R. + 5=12540, Elastic constants of potassium
+Marquet-Ellis, H. 5=7089, UF, magnetic susceptibility
+Marquet-Ellis, H. 5=12879, UF<sub>3</sub> and \beta-UF<sub>5</sub> susceptibility +Marquez, L. 5=11317, p+B<sup>11</sup>=3\alpha and d+B<sup>10</sup>=3\alpha
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+Marr, G.V. 5=5790, Continuous absorption in cadmium vapou
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+Marrucci, G. 5=6131, Non-Newtonian gravity flow
+Maršák, Z. 5=6673, Stresses by X-ray diffraction
+Maršák, Z. 5=12451, Ratio method for stress
+Marschall, H. 5=8784, Quadrupole splitting in mu-mesonic at
Marsden, D. A. + 5=11383, Neutron fission of Pu239
+Marsh, A. R. S. 5=2578, N.P.L. exposure standards
Marsh, D. M. 5=1519, Plastic flow of glass
+Marsh, J. K. 5=7821, Read-out for vibroscopes
Marsh, O. J. + 5=4051, Recombination in Si p-\pi-n junctions
+Marsh, O. J. 5=6914, Measurements in two-carrier structure
+Marsh, O. J. 5=6994, Double injection in silicon p-i-n struct
+Marsh, O. J. 5=9744, Photoconductivity in Si p-i-n structure
+Marsh, O. J. 5=12769, Si p-π-n diodes
+Marsh, S. P. 5=13214, Composition of the earth
+Marshak, R. E. 5=2410, SU<sub>3</sub> and U<sub>3</sub> symmetry
+Marshak, R.E. 5=2419, EM mass differences of baryons
+Marshak, R. E. 5=2429, Boson-unitary triplet or octet?
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+Marshak, R. E. 5=10843, Intermediate-vector-boson interacti
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+Marshall, J. H. 5=10920, Modular instrumentation system
+Marshall, L. 5=630, K-P charge exchange
+Marshall, L.C. 5=13229, Atmospheric O history
+Marshall, N. H. 5=5368, n spectrometer backgrounds
+Marshall, R. 5=3677, Trends in phonon frequencies
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Marshall, S. A. + 5=998, Spectrum of CO<sub>2</sub> in calcite Marshall, S. A. 5=4235, ESR of Cr<sup>3</sup> in MgO
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+Marshall, T.O. 5=8321, Dosimetry of mixed radiations
Marshall, T. W. 5=14063, Statistical electrodynamics
+Maršićanin, B. S. 5=10951, Beam transport 1.5 MeV accelera
+Marsigny, L. 5=5855, Emission spectrum of SnCl
+Marsigny, L. 5=8814, New bands for HCl* and HBr*
+Marsocci, V. A. 5=6319, Multiple thin-film deposition
Marsocci, V. A. 5=12932, Magnetoresistance of Ni and Ni-Fe
+Martalogu, N. 5=848, Evaporation spectra of neutrons
+Martelli, G. 5=656, He<sup>3</sup> from D interactions
Marth, W. 5=12145, Neutron radiography
+Marti, C. 5=1877, Field intensification of luminescence
Marti, C. 5=9978, Photoelectroluminescence in ZnS:Mn
Martienssen, W. 5=2273, Stimulated emission
Martienssen, W. + 5=2308, Coherence and fluctuations in light
+Martin, A. 5=463, Mandelstam representation
Martin, A. D. + 5=2678, K*-p Elastic scattering
Martin, A. W. + 5=2411, Symmetries in soluble model
 +Martin, B. 5=11268, \beta-decay of I<sup>130</sup> \xi-approximation
Martin, B. + 5=14499, \beta-\gamma directional correlation
+Martin, C. 5=6461, Crystal structure of Li compounds
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+Martin, D. L. 5=9384, K, Rb, Cs specific heats
+Martin, D. W. 5=1061, Ion and electron production. I
Martin, D. W. + 5=1062, Ion and electron production in gases.
+Martin, E. E. 5=7048, Nottingham effect in emission
+Martin, F. 5=567, p + p \rightarrow d + \pi^* reactor
+Martin, F. H. 5=6213, XeF<sub>6</sub> preparation and melting point
Martin, F. W. + 5=2521, Junction counters
+Martin, H. J. 5=630, K"-P charge exchange
+Martin, J. 5=8643, Si<sup>28,32</sup>(n, n') at 14.1 MeV
 +Martin, J. D. 5=13468, Variations of satellite scintillation
Martin, J. E + 5=14938, Sn and InSb at high pressures
 +Martin, J. F. 5=11926, II Thermodynamics of hexafluoro-
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benzene

Martin, M. 5=14313, Source for target preparation Martin, M. L. 5=8813, I. R. spectra of HCl + X mixtures Martin, P.C. 5=86, Interacting Fermi systems artin, P.C. + 5=453, Saturation of nuclear forces Martin, P.W. 5=5647, Interaction of neutrons with C¹² and Mg²⁴ artin, P. W. + 5=8643, Si^{28,32}(n, n') at 14.1 MeV artin, T. J. + 5=9702, Magneto-electric annealing of Cr₂O₃ artin-Brunetière, F. + 5=7358, Spectra of Pr3* in AlLaO₃ Martinelli, R. U. 5=10644, Stokes' shift in ruby R₁ lines Martinet, A. 5=9658, Superconducting films Martinet, A. 5=15303, Critical fields of SnIn Martinez, F. 5=10014, H₂O₄ heat of decomposition Martini, M. 5=2512, Charge collection time Martini, M. 5=14020, Charge-sensitive preamplifier lartinis, M. 5=8206, Planar graph high-energy behaviour Martinot, H. 5=997, Reabsorption currents and relaxation spectra Martinson, I. 5=14408, Law of conservation of nucleons Martinson, i. 5=1730, Law of conservation of indecember fartinuzzi, S. + 5=7337, Forbidden band of GaAs films Martirosyan, R. M. 5=8037, Three-level masers fartirosyan, R. M. + 5=10191, Radioastronomical maser farton, T. W. 5=7702, Science dictionaries bibliography lartres, M.J. 5=15886, Solar activity; synoptic charts Martres-Trope, M. J. 5=7671, Distribution of sunspot groups Marts, D. L. 5=6265, Preparation of sintered CeO, fartsinovskaya, E. G. 5=12861, Secondary electron emission Marttila, O. J. 5=5324, γ -sensitive β -detectors -Martyn, D. F. 5=13602, Geomagnetic storms and lunar phase -Martyn, D. F. 5=15851, Meteor rates and lunar phase fartynenko, M. D. 5=4728, Elasticity of uniform layer fartynenko, Yu. V. 5=11736, Ioffe bar configuration fartynenko, Yu. V. 5=15117, Single crystal sputtering Martynov, E. D. 5=3846, Healing of pores in metals Martynyuk, V. V. 5=30, Dynamical use of memory Maruani, J. 5=7208, E. S. R. in amorphous solids Maruani, J. 5=12983-4, E. P. R. spectra, I-II Marushko, I.C. + 5=2313, Optical harmonics in plane-parallel -Marveeva, E. T. 5=13603, PC 1 geomagnetic oscillations Marx, G. + 5=10294, Pressure in fermion gas Marx, E. + 5=5199, Massless fermions Marychev, V. V. 5=3552, Purification of Al in zone refining Marysova, S. V. 5=13036, Birefringence of CdS and CdS_x—CdSe_{1-x} Marzat, C. 5=4952, 35 Gc/s interferometer system -Marzulli, L. C. 5=11161, Cosmic rays at low latitudes fascarenhas, S. + 5=6649, F- and F-aggregate-centers Mash, D. H. 5=2574, CdS radiation detectors fash, D. I. + 5=1181, Ultrasonic attenuation in liquids Mashkevich, V.S. 5=10606, Instability of laser radiation -Mashkevich, V. S. 5=10607, Laser with variable losses -Mashkevich, V. S. 5=13027, Stimulated radiation Mashkevych, B.S. 5=2313, Optical harmonics in plane-parallel Mashkova, E. S. + 5=7066, Sputtering and secondary emission Mashkovich, M.D. 5=12790, Dielectric properties of celsian Mashovets, D.V. 5=1565, Conduction band in indium arsenide fashovets, D.V. + 5=12740, InSb magnetoresistance Mashovets, T. V. 5=12353, n-Ge γ -radiation defect annealing Mashovets, T. V. 5=12576, Defect, impurity levels in semiconductors fasiá, A. P. + 5=11809, Thermal conductivity of 8 halomethanes. I fasiá, A. P. + 5=14808, Accomodation of 8 halomethanes II Maskell, S. C. + 5=8330, Analogue computer for spark chambers lasket, A. V. 5=13982, Time reversal in heat conduction Maslen, E. N. 5=12250, Crystal structure of cadmium n-butyl xanthate Maslen, E. N. 5=12255, Crystal structure of metanilic acid Maslen, E. N. 5=12259, Crystal structure of a-sulphanilamide Maslen, S. H. 5=2235, Vortex sheet in compressible fluids Maslennikov, E. A. +~5=11822, Problems of pressures $<10^{-8}$ torr Maslennikov, M. V. +~5=14702, Bodies in flow of plasma Masley, A. J. 5=15732, 1962, 1963 solar cosmic rays Masley, A. J. 5=15738, Electron densities in ionosphere Maslov, K. V. 5=4956-7, E. M. waves in periodic structures. I-II Maslov, V. N. 5=12129, Dendrite growth in germanium Taslov, V. N. + 5=12402, Dislocations in Ge Maslovskaya, Z. A. 5=6762, Ductile fracture of transformer steel Mason, B. J. 5=10066, Capture of water drops in air Mason, D.W. 5=3195, Plasma trapping in magnetic mirror lason, D.W. 5=4931, Ion-energy analyser

Mason, E. A. + 5=929, Scattering of particles, XIII. +Mason, E. A. 5=3080, Molecular scattering and transport Mason, E.A. + 5=3086, Rainbows in molecular scattering Mason, E.A. + 5=3276, Gaseous diffusion. IV +Mason, E. A. 5=9053. Quantum gas collision integrals +Mason, E. A. 5=9054, Collision integrals for gases +Mason, E. A. 5=14813, Transport properties of alkali vapors +Mason, H., Jr. 5=1316, Preparation of VoSi +Mason, J. B. 5=2834, d-Scattering by Ag 107, 109 at 12.0 MeV +Mason, P. 5=8457, n-p s-wave scattering +Mason, P. R. 5=1199, Dielectric constant of liquids +Mason, P. R. 5=6195, Microwave properties of polar liquids +Mason, P. R. 5=9135, Dielectric dispersion in polar liquids Mason, P. R. 5=9143, Relaxation in liquid mixtures +Mason, P. R. 5=11894, Dielectric constant of liquids +Mason, S. G. 5=3380, Suspensions through tubes. III Mason, W. P. 5=12374, Drag on dislocations +Massalski, T. B. 5=6288, Martensites in copper—zinc alloys +Massalski, T. B. 5=9225, Cu-Ga phase diagram +Massalski, T. B. 5=15047, Specific heat of Cu-Zn Massalski, T. B. + 5=15050, Ag-Sn specific heats +Massam, T. 5=11070, Range measurements for muons +Massarani, G. 5=15634, Determination of impurities in alkali halides +Massazza, F. 5=11986, AgFeTe2 semiconductor "compound" +Massen, C. H. 5=14840, Polymerization of liquid S +Massena, C. W. 5=6550, Heat capacity of glycerol glass +Massey, G. A. 5=10600, Laser frequency translation Massey, G. A. + 5=10678, Generation of single-frequency light Massey, H. 5=10081, Space travel and exploration. III
Massey, J. T. + 5=11625-6, Discharges in rare gases.I—II Massey, J. T. + 5=11630, He-Ne discharge Masson, D. 5=10876, Calculation of Regge poles Massot, J. N. + 5=813, (n, α) Angular distributions +Mast, P. E. 5=10656, Beam tracing +Matalin, L. A. 5=14333, Multidimensional data analyzer +Mästalka,A. 5=2748, ,-spectrum of La isotopes +Mastenbroek, E. 5=5590, Electron capture decay of ¹⁹⁵ Au Masters, B. C. 5=12390, Dislocation loops in irradiated Fe +Masters, B. J. 5=3722, Imperfections and Ga diffusion in Si +Masterson, H. G. 5=15151, Compressive strength of graphite Mastner, J. + 5=4878-9, Simple electrometer circuit. I-II Masumoto, K. + 5=9690, Properties of ZnSnAs. Mataga, N. + 5=10009, Proton transfer in complexes Mate, C. F. + 5=10398, 3He cryostat +Mateiciuc, V. 5=2822, n Cross-section of As +Matheja, J. 5=4359, X-ray luminescence of quartz +Matheja, J. 5=4360, Thermoluminescence of quartz Mather, J. W. 5=3233, Acceleration in coaxial gun Mather, J. W. 5=11767, D plasma focus Mathews, J. 5=8487, Leptonic decay of the Ω +Mathews, M. V. 5=2141, Talker-recognition procedure Mathews, P. M. + 5=370, Kemmer particles Mathews, P. M. + 5=5146, Kemmer particle operator Mathews, T. + 5=11163, 11 yr cosmic ray variation Mathewson, D. S. + 5=4596, Galactic polarized radio emission Mathias, A. + 5=7418, O₃ formation in discharged O₂ +Mathias, J. S. 5=9803, Ni—Fe—Mo magnetic films Mathias, L. E. S. + 5=8054, H2O and D2O discharge lasers Mathias, L. E. S. + 5=10614, He-Ne laser amplifier +Mathias-Noël, R. 5=5877, Absorption bands of aliphiatic compounds +Mathieu, J. 5=489, Hexane filled ion chambers +Mathieu, J. P. 5=4299, Fundamental vibrations of CdS Mathieu, J. P. 5=13898, Damped vibration theory +Mathis, F. 5=8847, I. R. spectra of 3-amino amidoximes Mathis, R. + 5=12871, Magnetic anisotropy of ferrocene Mathon, J. + 5=12887, s-d Exchange in metals Mathur, N. C. + 5=2260, Multiple scattering of e. m. waves +Mathur, S. 5=6236, Interatomic forces in ionic crystals Mathur, S. + 5=11816, Viscosity of polar gas mixtures +Mathur, V.S. 5=14282, Peripheral interactions Matick, R. E. 5=4205, Ni-Fe magnetic fields +Matijević, E. 5=6207, Distribution for colloidal particles +Matino, H. 5=4020, Acoustoelectric current in CdS +Matinyan, S.G. 5=5220, Theory of weak interactions +Matinyan, S. G. 5=8275, Inelastic process amplitudes Matous, G. M. + 5=836, Selection-rule violation in Ne²⁰(d, α)Fe¹⁸ +Matsen, F. A. 5=3126, He¹₂ formation by electron impact Matsen, F. A. 5=7415, Spin-free quantum chemistry

```
Matskevich, T. L. + 5=7051, Thermal emission
+Matson, P. E. 5=10200, High pressure seal
+Matsuda, H. 5=6650, Coloration of Na-silicate glass
Matsuda, H. 5=14084, Ion optics. II
+Matsuda, H. 5=15109, Multi-colors in glass plate
+Matsuda, K. 5=5462, Elastic and inelastic p-He<sup>4</sup> collisions
+Matsuda, M. 5=5342, fo and p-p scattering
+Matsuda, M. 5=14410, N-N scattering and fo meson
Matsui, S. + 5=14085, Focusing of ion beam device
+Matsumoto, K. 5=8126, Far infrared spectrophotometer
Matsumoto, M. 5=6037, Ion acoustic waves in magnetic field Matsumoto, S.+ 5=784, \mathrm{Si}^{28}(\gamma,p)\mathrm{Al}^{27} and \mathrm{Si}^{28}(\gamma,\alpha)\mathrm{Mg}^{2^{-4}} reactions
+Matsunami, N. 5=15640, Change in earth's rotation
Matsuo, S. + 5=6229, Vapor pressure of ice
+Matsuo, S. 5=11476, N polarization and \mu-mesic H spectrum
Matsuo, Y. + 5=9683, Semiconductivity of PbTiO<sub>3</sub>-La<sub>2.8</sub>TiO<sub>3</sub>
+Matsuoka, M. 5=2695, Pulse height telemetry
+Matsuoka, M. 5=15869, X-rays in interplanetary space
Matsuoka, O. + 5=5892, Structure and spectrum of nitrobenzene
 +Matsushita, S. 5=13608, Geomagnetic micropulsations
+Matsushita, S. 5=13615, Geomagnetic effect of explosion
Matsuura, K. + 5=12381, Dislocations on \theta' precipitates in
     A1-496Cu
+ Matsuura, M. 5=4268, Proton N.M.R. in Mn formate dihydrate
+Matta, R. K. 5=12784, Transistor changes by electron
     microscope
+Matteudi, G. 5=7063, Secondary emission from CdS
Mattheiss, L. F. + 5=12609, Spin-orbit parameter \xi_5 in W
Mattheiss, L. F. 5=15239, Energy bands for V3X compounds
Matthews, D. H. + 5=10100, Palaeomagnetism in Seychelles +Matthews, H. 5=7160, Eu_{2}Fe_{5}-_{X}Ga_{X}O_{12} line width
Matthews, H. + 5=12896, Spin—wave instabilities
Matthews, J. C. + 5=9795, Ferro and antiferromagnetism in FeCr
+Matthews, J. L. 5=5700, Neutrons from thorium photofission
Matthews, J. W. + 5=3575, Epitaxial growth of gold
Matthews, J. W. + 5=9446, Defects in evaporated films
+Matthews, P.W. 5=7903, Acoustic impedance of liquid He-3
+Matthews, T. A. 5=4602, Pight ascensions for sources
+Matthiae, G. 5=8662, Absorption of pions by nuclei
+Matthias, B. T. 5=3999, Superconducting tubes
+Matthias, B. T. 5=6893, Superconductivity in alloy systems Matthias, B. T. + 5=9657, Superconductivity of Te
+Matthias, B. T. 5=13009, N. M. R. study of Sc<sub>3</sub>In
+Matthias, B. T. 5=15291, Superconductivity in graphitic
     compounds
+Matthias, B. T. 5=15293, New superconducting compounds +Matthias, E. 5=8564, \frac{3}{2}* state in \text{Tl}^{203} +Matthias, E. 5=11238, \frac{9}{2}* state in \text{Lu}^{175} Matthias, E. +5=11965, Hyperfine field measurement
Mattig, W. + 5=1983, Radiative equilibrium in sunspots
+Mattig, W. 5=13767, Image disturbances and sunspots
+Mattis, D.C. 5=62, Ising model of many fermions
Mattis, D.C. + 5=10291, Many-fermion system
Mattler, J. + 5=9981, Temperature variation of ZnS:Cu or Mn
     electroluminescence
+Mattmüller, R. 5=3230, Plasma blowpipes Mattson, R. A. 5=5127, Ultra-soft X-ray spectrometer
Matukura, Y. + 5=12582, Carrier lifetime in stressed Ge
Matula, D.W. + 5=4375, Molecular distributions. I
Matulionis, A. Yu. + 5=7028, Reciprocity law in photoinsulators
Matulis, A. + 5=14580, Hartree—Fock diagrams of atoms
+Matulis, A. Yu. 5=5151, Calculation of 6;-coefficients
+Matulis, V. A. 5=13816, Computer study of 3nj-coefficients
Matulyavicyus, V. P. + 5=7501, Atmospheric radioactivity
Matumoto, K. + 5=418, U(4) symmetry of strong interactions
+Matumoto, K. 5=10788, Broken U(4)-symmetry
Matumoto, K. + 5=10816, Baryon-lepton symmetry
+Matuszek, J. 5=5533, \gamma - \gamma cascades in Mn<sup>55</sup>
+Matuszek, J. 5=8563, \gamma - \gamma cascades in Hg<sup>200</sup>
+Matveenko, L.I. 5=4603, Radio sources at 32 cm
Matveev, A. N. 5=2552, Electron capture in betatron
Matveev, L. T. 5=10073, IR flux and cloud boundary
+Matveev, V. V. 5=10905, Gas scintillation counters
Matveev, V. V. + 5=11049, Neutron spectrometry
Matveev, V.V. + 5=12856, Photomultiplier e.m. screens
 +Matveev, Yu. G. 5=10414, Nsec e-pulse generator
Matyushenko, N. N. + 5=1394, Strontium beryllide
+Matyushkin, E.V. 5=1584, Excitons in a CdS crystal
 +Matyushkin, E.V. 5=1838, Photoconductivity spectra of CdS
Matz, D. + 5=4030, Resistivity in n-InSb
Matz, D. + 5=15222, Carrier transport in Ag halides
```

```
Matzkanin, G. A. + 5=13006, N. M. R. in solid NF3
Matzke, H. + 5=9409, Diffusion of Ca45 in CaF2
Mauer, F. A. + 5=12004, Polymorphism in HI
Maurel, J. + 5=5257, Wire-plate spark counter modes
+Maurel, J. 5=14360, Efficiency of spark chambers
Maurette, M. + 5=10116, Cosmic-ray tracks in meteorite
+Maurice, M. 5=15011, Phases in PbO-La<sub>2</sub>O<sub>3</sub>, Gd<sub>2</sub>O<sub>3</sub>, and Sm<sub>2</sub>O<sub>3</sub>
Mausberg, W.+ 5=495, Solid state detector telescope
Mausberg, W. + 5=10909, Solid state detector telescope
+Mavel, G. 5=9256, Elimination of Compton component
Mavrides, S. 5=7759, Linear euclidian gravitation
Mavridès, S. 5=13852, Gravitational energy
+Mavrin, É. A. 5=10525, Crystal oscillator
Mavroides, J. G. + 5=15171, Elastic constants of HgTe
+Mavroides, J. G. 5=15234, Band structure of HgTe
+Mavroides, J. G. 5=15539, Interband transitions in Sb
+Mavroides, J. G. 5=15540, Sb de Haas-Shubnikov effect
+Mavroides, J. G. 5=15563, Restrahlen reflection in HgTe
Mavroyannis, C. 5=12619, Excitation spectrum of molecular
     crystals
Mawardi, O.K. 5=3188, Bounded current sheets +Max, J. 5=13226, V.L.F. ocean propagation
Maximon, L.C. + 5=789, Inelastic electron scattering
+Maximon, L.C. 5=2597, Polarized electrons, positrons
Maxman, S. H. 5=484, Ca, K and Li targets
Maxon, M. + 5=10836, Lee model
Maxum, B. J. + 5=10489, Cyclotron and plasma wave interactions
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+Maxwell, A. E. 5=13222, Heat flow at Mohole site
May, B. R. 5=7505, Upper air density
+May, C. E. 5=13127, Alkali halide thermoluminescence
May, E.C. + 5=13239, High-altitude water vapor
May, F. 5=14406, Siegbahn-Slätis beta-spectrometer
+May, L. 5=5891, Vibrational spectra of organotin compounds. II
May, M. J. 5=8169, Visual latency
May, R. M. 5=889, Hydrogenic wave functions
May, R. M. 5=3218, Damping of instabilities in a plasma
May, R. M. 5=5781, Excitation of neutral atoms. II
+May, R. M. 5=5782, Excitation of neutral atoms
May, R. M. 5=6079, Kac's 1-dimensional Ising model
May, R. M. 5=7797, Statistics of velocity-dependent potentials
May, R. M. + 5=8952, Charge-exchange reactions
May, R. M. 5=11421, Spontaneous transition in excited H
May, R. M. + 5=11742, Instability and compressibility of plasma +May, T. H. 5=11040, Polarized n scattering from He
Mayahi, M. F. + 5=11907, Conductivity of alcohols and solutions
Mayahi, M. F. + 5=11908, Conductivity of phenols in solution
Mayants, L. S. + 5=988, CH vibrations of hydrocarbons
Mayaud, P. N. 5=15759, Discriminating between Sq and SD +Mayburg, S. 5=8110, Semiconductor radiation sources
Maycock, J. N. + 5=15110, N-center in alkali halides
Mayer, C. H. 5=7630, Thermal noise from moon and planets
+Mayer, G. 5=4993, Stimulated phonons or photons
Mayer, G. 5=14389, Multiple stimulation in photon interacting
 +Mayer, H. [Ed.] 5=14588, International Conference on Opacities
Mayer, H. L. 5=2884, Conference on opacities
Mayer, H. L. 5=4776, Opacity calculations
 +Mayer, J. W. 5=4051, Recombination in Si p-\pi-n junctions
Mayer, J. W. + 5=6914, Measurements in two-carrier structures
 Mayer, J. W. + 5=6994, Double injection in Si p-i-n structure
 Mayer, J. W. + 5:-9744, Photoconductivity in Si p-i-n structure
 Mayer, J. W. + 5=12769, Si p-n-n diodes
Mayer, M. E. + 5=379, Space-time and symmetry groups
Mayer, M. G. 5=8507, Shell model
 +Mayer, R. 5=7914, Hybrid charge-sensitive preamplifier
 +Mayer, S. W. 5=6159, Properties of PO<sub>3</sub>-SO<sub>4</sub> systems
 Mayer, W. G. + 5=3802, Determination of elastic constants
 +Mayer, W G. 5=10716, Light diffraction by u.s. gratings
 Mayer, W. G. 5=13199, Corrections of Knott's calculations
 +Mayer-Boricke, C. 5=14552, Angular distributions in (α, p)
      reactions
 +Mayer-Kuckuk, T. 5=5617, Mg<sup>26</sup>(p, p) by cross sections
+Mayers, D. F. 5=3008, Er ratum: d-orbits of S
 Mayes, W. H. + 5=2095, Effects of sonic boom on buildings
+Mayeur, C. 5=693, Heavy He hypernucleus
+Mayeur, C. 5=2825, K captures in emulsion nuclei
Maynard, L.A. + 5=4647, July 20, 1963, Solar eclipse +Maynard, R. 5=9779, Magnetic coupling in metals
 Mayné, G. 5=2031, Separation of variables
 +Mayo, G. T. 5=4790, Silica windows for shock tubes
 Mayo, R.E.+ 5=3068, NMR spectra of vinyl halides
```

Mayo, S. + 5=8647, Deuteron reactions at 26.5 MeV Mayot, M. + 5=15657, Oz distribution in atmosphere +Mayquez, E. F. 5=8722, Acquisition of nuclear data +Mayauez, E. F. 5=8722, Acquisition of nuclear data +Mazalov, Yu. P. 5=8984, Plasmoid—magnetic field interaction. II +Mazalov, Yu. P. 5-8985, Plasmoid-magnetic field interaction. III Mazanko, I. P. 5-4986, Maser line width Mazanko, I.P. 5=5083, Demodulation in two-beam interferometry +Mazari, M. 5=5248, Nuclear physics laboratory +Mazari, M. 5=5294, Electrons in Graaf accelerator Maze, M. + 5=12249, Bromo- and methyl-4-ditertiary butyl-2. 6 phenol structure +Maze, R. 5=5471, Effect of photon showers +Mazeline, C. 5=7291, Cl³⁵ n.q.r. in dichloropyridine +Mazey, D. J. 5=9307, Holes in solids +Mazey, D. J. 5=12492, Strain around bubbles in solids Mazur, J. 5=1290, Thermo-dynamics of polymer chains +Mazur, P. 5=2053. Brownian motion +Mazur, P. 5=6059, Statistical formula for viscosity Mazur, P. + 5=7789, Statistical mechanics of Brownian motion Mazurov, M. E. 5=10460, Magnetic field measurement Mazurowski, M. J. + 5=5100, Aerial photography +Mazza, F. 5=1909, Anodic behavior and passivity Mazza, J. + 5=13157, Corrosion of Al in H₂O Mazzoldi, P. 5=185, Ionic drift velocity in He II +Mazzone, G. 5=8567, Gamma-radiation from actinium K +Mead, C. A. 5=8738, Monatomic gas absorption line shapes +Mead, C. A. 5=15243, Green's functions in exciton theory +Mead, C. A. 5=15360, Tunnel junction barrier shape Mead, G. D. + 5=13566, Geomagnetic field boundary Mead, G.D. 5=13567, Deformation of geomagnetic field Meadowcroft, T. R. + 5=9257, Phosphate glasses +Meadows, J. 5=8344, Data with feedback to accelerator Meadows, J. W. + 5=8303, Computer in a nuclear laboratory +Meadows, R. E. 5=11946, Volatility of UO_{2±x}
Meadows-Reed, E. + 5=13324, Mass spectrometry in atmosphere +Meadus, F. W. 5=11922, Ageing in Si hydrogels Meakin, J. D. + 5=6610, Vacancies in Mo Meakin, J. D. + 5=9436, Interstitial loops in molybdenum +Meakin, J. D. 5=9473, Prismatic loops in Mo
Measor, J. C. + 5=10012, Oxidation rate of Fe +Meath, W.J. 5=368, Brillouin-Wigner perturbation theory Mechel, F. + 5=3260, Flow boundary layer in air +Mecke, R. 5=15582, I.R. spectra of anthracene derivatives Medhi, K. C. + 5=11550, Hydrogen bonding in aminopyridines +Medhi Ali, S. 5=12246, Neutron diffraction of $(NH_4)_2C_2O_4$, H_2O Medick, M. A. + 5=7825, Vibrations of thin plates Medicus, G. 5=11724, Probe measurements through double layer +Medlock, R.W. 5=8569, Calibration of radioactivity standard +Medovar, B. I. 5=9241, Self-cleaning of metals +Medrud, R. C. 5=9362, Crystal structure of dipentene platinum (II) chloride +Medvedev, M. V. 5=15437, Impurity atoms in ferromagnetic +Medvedev, S. A. 5=12110, GaP grown in vapour +Medvedev, Yu. A. 5=7647, Shock wave of a meteor +Medvedeva, L. A. 5=10386, In resistance thermometer +Medwin, H. 5=4441, Reverberation from sea surface Medyanýk, V. M. + 5=2708, Fe-Cr isotope targets Meecham, W. C. 5=13664, Satellite signals and ionosphere +Meeks, F. R. 5=12320, Correction of Mehl-Rhines diffusion +Meer, M. 5=622, π^* -d interactions Meetz, K. 5=2383, Nonrelativistic quantum mechanics Megill, L. R. + 5=13359, Aurora and airglow +Megill, L. R. 5=13363, Oxygen molecules on airglow Megill, L. R. + 5=13437, Electron distribution in ionosphere Megill, L. R. 5=15729, Optical excitation by radio beams Mehl. W. + 5=4117, Photoconductivity in organic systems Mehrishi, J. N. + 5=10377, Temperature measurement in viscometers +Mehlhorn, W. 5=5791, KLL Auger spectrum of neon +Mehltretter, J. P. 5=7560, Balloon solar observatory +Mehta, C. L. 5=10647, Statistical properties of light Mehta, C. L. 5=13812, Determination of spectral profiles +Mehta, M. K. 5=11374, O¹6=O¹6 scattering Mehta, M. L. + 5=8242, Balázs-type bootstraps +Meier, D. 5=14336, Fast pulse-height discriminator +Meier, F. 5=6444, Neutron diffractometer accessories +Meier, F. 5=9322, Programming for neutron diffractometer +Meieran, E.S. 5=3774, Surface processing defects in Si Meieran, E. S. + 5=15005, Twins in electron diffraction patterns Meiere, F. T. 5=2641, Pion-nucleon scattering +Meiling, W. 5=7061, Pre-pulse in photomultiplier

+Meiling, W. 5=9754, Time behaviour, photomultipliers +Meiling, W. 5=9755, Prepulses in photomultipliers Meiman, N. N. 5-5235, Asymptotes of scattering amplitude +Meinel, G. 5=3381, Polyethylene suspensions +Meiner, R. C. 5=12462, Creep vibration damping Meinesz, F. A. V. 5=7535, Changes of secular geomagnetic field Meinhard, J. E. 5=1665, Organic rectifying junction +Meinhardt, O. 5=9726, Peltier effect in Ge electrolyte +Meisingseth, E. 5=5825, Coriolis coefficients in molecules +Meissner, H.G. 5=1358, Structure data of phases Meissner, H. 5=2200, Displacement current +Meister, A. G. 5=8866, Substituted methanes. XXXVI +Meister, H. J. 5=11307, e-Au, Hg scattering +Meister, N. T. 5=650, Three-body wave function +Meister, R. 5=8030, Pulse generator for n.m.r. +Meister, R. 5=9154, N. M. R. in four liquids +Meister, R. 5=12278, Ultrasonic attenuation in Al₂O₂ Mejía, C. R. 5=7401. De-excitation of NaCl: Ag +Melby, L. R. 5=3304, Deuterium resonance of liquid crystals Melby, L. R. + 5=5888, Synthesis and fluorescence of lanthanide complexes +Melcher, H. 5=2035, Coupling of pendulums +Meldner, H. 5=11290, Nuclear 2-particle emission Melehy, M. A. 5=15351, Tunnelling injection in p-n junctions Meleshina, V. A. 5=9482, Etching of triglycine sulfate Melia, T. P. + 5=7352, Nucleation from aqueous solution Melik-Gaikazyan, I. Ya. + 5=9704, Electrical conductivity of KCl +Melkisheva, E. N. 5=7131, Thermomagnetic treatment of alloys Melngailis, I. + 5=1871, Luminescence in InSb +Mel'nik, P. G. 5=14017, Measuring small e.m.f.'s +Melnik, V. L. 5=1595, Cyclotron resonance in zinc +Mel'nikov, B. N. 5=1393, Cyclotron resonance in 2lnc Mel'nikov, B. N. 5=13964, Engine noise of Tu−124 jet Mello, P. A. + 5=5481-2, Groups $U_6 \supset U_3 \supset R_3$ for 2s-1d shell +Mello, P. A. 5=5483, Groups $U_6 \supset R_8 \supset R_3$ in 2s-1d shell +Mello, P. A. 5=5524, Levels of F^{18} and O^{18} +Mello, P. A. 5=5527, Levels of Ne^{20} , F^{20} and O^{20} +Mello, P. A. 5=5528, Energy levels of Na22 +Mellor, J. 5=6465, Order of atoms in P phase and R phase Mellor, P. J. T. 5=6398, Reliable pneumatically operated valve Mellors, G.W. + 5=11871, Surface tension of fluorides Melmed, A. J. + 5=12140, Ag epitaxial growth on W Melnikov, O. A. 5=10184, He chromosphere of sun $^+$ Mel'nikov, O. K. 5=6487, Crystal structure of Na₂O. TiO₂. SiO₂ Meloni, S. + 5=2817, Ce¹⁴²(p, pn)Ce¹⁴¹ and Ce¹⁴²(o, 2p)La^{14f} reactions Melton, C. E. + 5=3133, Ionization of alkyl free radicals Meltz, G. + 5=14115, Plasma-covered antennas Meltz, G. 5=14731, Leaky waves in plasma layers +Melzner, F. 5=15868, Study of interplanetary medium Memming, R. 5=4403, States at Ge electrolyte interface Memming, R. 5=6909, Semiconductor-electrolyte interface Men', A. N. + 5=6539, Thermodynamics of ferrite mixtures +Men', A. N. 5=13043, Spectrum of Cr3+ in spinels +Mên Hsiang-chên. 5=15480, Ferromagnetic resonance device Menabde, N. E. 5=9055, Viscosity of N₂¹⁴-N₂¹⁵ Menat, M. 5=8045, Giant pulses from laser +Mende, F. F. 5=242, 3 cm superconducting resonator Mende, H. H. 5=9635, Electrical resistance of Ni Mendelson, M. 5=1990, Monitoring small movements Mendelson, M. R. + 5=5362, n-transport between half-spaces +Mendelssohn, K. 5=12650, Pu, Np, U resistivity variation Méndez-Peñalosa, R.+ 5=1426, Thermal expansion of $\rm U_2C_3$ Mendoza V, E.E.+ 5=10143, Photometry of C stars Menedez, M. G. + 5=11664, Reactions of H₂ + ions with Ar Meneghetti, L. + $5=8623(\gamma,\alpha)$ reaction in Cu, Ag, In and Au +Meneley, D. A. 5=11399, U^{238} fast-reactor spectra +Menes, J. 5=503, Doped silicon junctions +Meneghetti, L. 5=14522, Photodisintegration of Be9 Meng Ta-chung. 5=10768, Combinatorics of Feynman graphs. II +Meng Xian-zhen. 5=4228, Ferrimagnetic resonances. I Meng Xian-zhen. + 5=4229, Ferrimagnetic resonance. II +Meng Xian-zhen, 5=7201, Quantum theory of ferrimagnetic resonance +Meng Xian-zhen, 5=7202, Nuclear resonance in ferrimagnetics +Menius, A. C., Jr. 5=14169, γ -ray effects on ruby laser Menke, M. M. 5=381, Feynman integrals +Menon, M. V. G. 5=9722, Semiconductors for thermoelectric cooling Menon, T. K. 5=7606, Thermal galactic sources +Menotti, P. 5=10866, S-matrix singularities Men'shikov, A. Z. 5=15231, Cr compound electronic structure +Men'shikov, M. I. 5=11825, Ti, C getter -ion pump

```
Menti, W. + 5=14313, Source for target preparation
Mentkovskyi, Yu. L. 5=10861, Scattering of charged particles
Mentzoni, M. H. 5=8921, Electron removal during afterglow
Mentzoni, M. H. 5=14714, Collisions in oxygen for electrons
Menyuk, N. + 5=9813, Ferrimagnetic cobalt chromite
Menzel, D. + 5=3508, Desorption from metal surfaces
Menzel, D. + 5=3509, Desorption of CO from W
+Menzel, D. H. 5=10188, Filaments in solar prominences
+Menzel, D. H. 5=14125, Ionospheric cross modulation
Menzel, D. H. 5=14126, Ionospheric nonlinearities
+Menzel-Kopp, Chr. 5=4390, Cu and Ag oxidation
Menzel, E.+ 5=4390, Cu and Ag oxidation
+Menzinger, F. 5=7099, Magnetism research with neutrons
+Meo, A.R. 5=14057, Ferrite cores
+Meos. V. A. 5=240. Nanosecond video pulse generator
+Mercer, G. N. 5=4998, Relaxation of Ar* laser levels
+Mercereau, J.E. 5=6878, Superconducting Nb
Merchant, H.D. 5=1546, Hardness and creep
Mercier, C. 5=4940, Stability of toroidal m.h.d. system
+Mercier, M. 5=7140, Magnetic order of MnYO<sub>3</sub>
+Merck, M. 5=8884, N. M. R. in earth's magnetic field
+Merck, M. 5=9871, Sensitivity in n. m. r.
Merdy, H. + 5=4301, Absorption of CdTe
+Merezhko, N. F. 5=3768, Mosaic blocks in growth of Al
+Mergelyan, O.S. 5=10562, Radiation from charge in waveguide
+Meriel, P. 5=6474, Atomic positions in KHCO3
+Meriel, P. 5=9819, Magnetism of aluminium dyprosium garnet
Merigoux, R. + 5=6702, Cu scratch deformation
+Merino, F. 5=8084, Visual image
Meriwether, J. R. + 5=2842, phase rule in \alpha-scattering
+Merkel, G. 5=8682, Reactions of Ni^{58} with 46- to 68-MeV He^4 Merker, L. + 5=7360, Spectra of titanates and aluminates
+Merkin, V.I. 5=8711, High temperature reactor
Merkl, E.D. + 5=6966, Simulation of diodes with transistors
+Merkulov, L.G. 5=13899, Damping in plate
Merkulov, L.G. 5=13900, Damping of plate in liquid
+Merle D'Aubigné, Y. 5=3777, F-centres in Kl, RbBr and RbCl
Merlini, A. + 5=12295, Thermal vibrations and X-ray transmission
     in Zn
+Merlo, A. L. 5=7244, E. S. R. of Mo5+ in CaWO4
Mermin, N. + 5=1586, Quantum helicon dispersion relation
 +Mermin, N.D. 5=6032, Oscillations of quantum plasma
Mermin, N. D. 5=10296, Thermal properties of electron gas
 +Mermod, R. 5=11027, Nucleon-nucleon collisions
+Merrifield, R. E. 5=9604, Triplet excitons in anthracene
+Merrill, J. J. 5=7769, Second postulate of relativity
+Merrill, L. 5=11999, Polymorphism in cesium
+Merritt, L. L., Jr 5=12254, Crystal structure of iron
     cupferron
Merten, L. 5=9717, Piezoelectric fields around dislocations
+Mertin, M. 5=12216, The crystal structure of Nb.O.Cl
Mertsching, J. + 5=15201, Electron-phonon interaction in metals
Merz, A. 5=3645, "Hartstoffen" metal compounds
+Merz, E. 5=15629, Recoil in metal phenyl compounds
Merz, W. + 5=12147, Structure and properties of Al-Zn
+Merzagora, N. 5=536, Milan cyclotron. I. H polarizer +Merzari, F. 5=811, Neutron scattering on S^{32}
+Mescheryakov, V.A. 5=608, s, p waves in \piN-scattering
Meservey, E. B. + 5=14728, Hot plasma microwave propagation
+Meshii, M. 5=1466, Structure of aluminium
+Meshkov, B. B. 5=15545, Resonance spectra of Er^{3+} in CaF_2
+Meshkov, N. 5=7806, Validity of many-body methods. I
Meshkov, N. + 5=7807, Validity of many-body methods. II +Meshkov, N. 5=7808, Validity of many-body methods. III
Meshkov, S. + 5=2415, U-spin equalities
Meshkova, G. N. + 5=12819, Contact potential of CdSe
+Meshkovskii, A. G. 5=10935, 200-l Bubble chamber
Meskat, W. 5=11784, Progress in rheometry. II
+Meskin, S.S. 5=6585, Cd and Zn diffusion in GaAs
+Meskin, S. S. 5=15361, Electrical properties of GaAs diodes
Mesnard, G. + 5=1280, Evaporation techniques of thin films
+Mesnard, G. 5=8192, Scalar products of spin functions
+Mess, K. W. 5=1798, Phonon bottleneck in CuCs<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>.6H<sub>2</sub>O
+Messel, H. 5=8385, Electron-photon cascade
Messiaen, A. 5=6021, Theory of resonance probe
+Messiaen, A. M. 5=1075, Plasma model. II
Messiaen, A. M. + 5=6011, Hot plasma secondary spectrum
Messiah, A. M. L. + 5=414, Symmetrization postulate
Messier, J. 5=4693, High resistance Si Messier, J. + 5=6944, Defects in \gamma-irradiated n-type Si
Messier, J. + 5=6962, Thick junctions in silicon
```

```
Messing, T. 5=6113, Steam-jet vacuum pumps
 +Mesyats, G. A. 5=8931, Spark conductivity, pressure effect
+Mesyats, G. A. 5=10439, Nanosecond pulse generator
Mesyats, G. A. + 5=10502, Three-electrode spark gap
Mesyats, G. A. 5=14030, Pulse formation by twinned lines
Met, V. 5=2332, Reflective densitometer technique
Met, V. 5=14152, Characteristics of He—Ne laser
+Metalin, L. A. 5=14346, Tunnel diode buffer memory
Metcalf, H. 5=5111, Stiles - Crawford apodization
+Metheringham, A. J. 5=5463, p-He4 scattering at 53 MeV
+Methfessel, S. 5=1724, Magnetic exchange interactions
Metlay, M. 5=7410, Fluorescence of Eu and Te dibenzoylmethides
Metsik, M.S. + 5=3701, Free energy of mica
+Metsik, M. S. 5=14947, Measuring thickness of films Metzger, A. E. + 5=7621, Detection of interstellar \gamma-rays
Metzger, F.R. 5=716, 4, 431-MeV excited state of Na23
Metzger, F. R. 5=11232, Lifetimes of 1 states in Sm<sup>148,152</sup>
+Metzger, P. H. 5=9751, Photoemission of alkali halides
+Meunier, J. L. 5=12808, Charge decay of electrets
+Meunier, R. 5=492, Gas Čerenkov counter-disc
+Meunier, R. 5=8659, Pion double charge exchange
+Meunier, R. 5=10462, Measurement of magnetic field indices
Meurers, J. + 5=13723, Velocities of globular clusters
Mewe, R. + 5=3176, Electron density of plasmas
+Meyer, A. 5=15111, Triplet states of M center
+Meyer, B. 5=2980, The B<sup>2</sup>II state of NS
+Meyer, B. 5=11518, U.V. absorption of trapped S<sub>2</sub>
+Meyer, B. 5=15868, Study of interplanetary medium
+Meyer, C. 5=2967, Vibration-rotation spectrum of HI
Mever, C. + 5=2979, 3-0 vibration-rotation band of NO +Meyer, C. 5=5845, Vibrorotational constants of HI
+Meyer, G. 5=6404, Electron diffraction of aluminium films
Meyer, G. + 5=12684, Nb<sub>3</sub>Sn, V<sub>3</sub>Ga, V<sub>3</sub>Si layers superconductivity +Meyer, H. 5=8411, p-p scattering at very small angles
+Meyer, J. 5=598, Deuteron as nucleon target
+Meyer, J. 5=11119, YY production
Meyer, K. + 5=3867, Decoration of dislocations in Ni
+Meyer, K. 5=6707, Metal transfer in impact working
Meyer, K. + 5=13098, Triboluminescence mechanisms
Meyer, K. P. [Ed.] + 5=14144, Proceedings on laser physics and
applications
Meyer, J. 5=5773, Ti spectral line broadening
+Meyer, J. 5=8474, K^-P \rightarrow K^*N and KN^* at 3 GeV/c
+Meyer, L. 5=6276, Argon-nitrogen phase diagram
Meyer, L. + 5=7901, Quantized vortex rings near wall
+Meyer, O. 5=8315, Preamplifier for semiconductor detectors
+Meyer, P. H. 5=5195, SU, violation in leptonic decay
+Meyer, S. L. 5=2629, Decay \pi^+ \to \pi^0 + e^+ + \nu
+Meyer, V. D. 5=2901, Excitation of 1 ^{1}S \rightarrow 3 ^{1}S in He +Meyer, V. D. 5=14605, Electron impace spectrum of N
Meyer, Y. + 5=10629, Laser action in Eu benzoylacetonate
Meyer-Arendt, J. R. 5=13787, Biological microscopy
+Meyer-Berkhout, U. 5=11201, Short lived isomers
+Meyer-Schützmeister, L. 5=802, Proton capture by B<sup>11</sup>
+Meyer-Schützmeister, L. 5=8540, Single state for E1 resonance
+Meyer-Schützmeister, L. 5=8543, Ar<sup>36,38</sup> energy levels
+Meyerhof, W. E. 5=2775, Internal conversion of Ni<sup>56</sup>
+Meyerhof, W. E. 5=11327, Inelastic neutron scattering
Meyerhoff, R. W. + 5=6901, Superconducting solenoids
+Meyerott, A.J. 5=4551, Stellar X-ray emission: reply
+Meyerott, A. J. 5=7623, Observational result on X-rays
+Meyerott, A. J. 5=10169, Jupiter's X-ray flux
 +Meyerott, R. E. [Ed.] 5=14588, International Conference on
      Opacities
Meyers, L. + 5=6900, Superconducting V +Meyerstein, D. 5=10024, H formation from irradiated \rm H_2O
+Mezentsev, A. F. 5=15575, Sn K series shift
Mezentseva, N. L. + 5=14953, Epitaxy of Ge films
+Mezhevich, A. N. 5=15417, X-ray photoemission
 +Mezina, I. P. 5=13099, Radioluminescence of alkali halides
+Miard, F. 5=12012, Pu \delta \rightarrow \gamma transformation
Miccioli, B. R. + 5=6558, Thermal expansion of carbides
Micha, D. 5=933, Evolution of molecular systems
Micha, D. 5=7811, Electron systems
Michael, D. H. 5=14796, Instability of dusty gas
+Michael, J. V. 5=8732, Recording of mass spectra

+Michael, J. V. 5=80010, Acetylene—oxygen reaction

+Michael, J. V. 5=14577, Time-resolved mass spectra

Michael, P. 5=14394, Theory of exponential experiment in U
+Michael, W. 5=2655, \pi Interactions on nuclei
+Michaelis, W. 5=8494, Nonexistence of stable tetraneutrons
```

Michaelis, W. + 5=14349, Coincidence circuit with transistors Michaels, A.S. + 5=3720, Gas transport in polyethylene +Michalak, J. T. 5=9449, Dislocation velocity variation Michalak, J. T. 5=12508, Plastic deformation of iron Michalik, S. J. + 5=14930, Mo-Ir constitution diagram +Michalk, C. 5=12950, Rotation losses of ferrites +Michalowicz, A. 5=8412, p-d scattering at 155 MeV Michalowsky, L. 5=4211, Anisotropy of Ni-Zn-Fe ferrites Michalowsky, L. 5=12951, Perminvar effect in ferrites +Michard, R. 5=13774, Corona at eclipse of 15/2/61. I Michard, R. + 5=13775, Corona at eclipse of 15/2/61. II +Michaudon, A. 5=5695, Slow-neutron fission of Pu²³⁹ +Michejda, L. 5=5396, Six-prong interactions of π^- in H +Michel, A. 5=1108, Inertial force in linear z-pinch Michel, A. E. + 5=4348, Light emission from p-n junctions +Michel, A. E. 5=13049, GaAs injection laser +Michel, D. 5=11915, Liquid n. m. r. surface effect Michel, F.C. 5=4628. Solar wind and lunar atmosphere Michel, F. C. 5=15750, K as planetary index Michel, F. C. + 5=15761, K and lunar phase Michel, K.H. 5=6780, Transport equations Michel, L. 5=8260, Internal symmetry and relativistic invariance Michels, A. + 5=14806, Thermodynamic properties of Ne Michels, C.J. + 5=3239, Coaxial plasma gun +Michiels, L. 5=10385, Graphite thermometers in conductivity experiments Michoulier, J. + 5=7241, Mn^{2+} e.s.r. in zeolite Micu, M. 5=4715, Simple lie groups Middelhoek, S. 5=4204, Double permalloy (Ni-Fe) films Middelhoek, S. 5=7152, Domain-wall creeping in Ni-Fe Middlehurst.J. + 5=196, Electrochemical effects in thermocouples Middle man, S. + 5=11848, Waves in viscous liquid jet +Middleton, R. 5=5682, $U^{238}(d, p)U^{239}$ and $U^{235}(d, p)U^{239}$ +Middleton, R. 5=8631, Vibrational states of 126 Te Midford, T. A. 5=3685, Ultrasonic amplification in CdSe Midgley, J. E. 5=13584, Perturbation of geomagnetic field Midvichi, I. 5=6973, Ge tunnel diodes +Midvichi, I. 5=9599, Ge band structure Midvichi, I. 5=9696, Sb doped Ge tunnel diodes Miedema, A. R. + 5=1798, Phonon bottleneck in CuCs₂(SO₄)₂.6H₂O +Miedema, A. R. 5=4173, Magnetic transitions +Miedema, A. R. 5=13994, Cooling and relaxation of nuclear spin systems Miekisz, S. 5=3285, Flow in elastic tube Mielenz, K.D. 5=5063-5, Mirror spectrograph theory. I-III Mierzecki, R. 5=7868, IR emission by liquids Mierzecki, R. 5=8846, Infrared absorption bands +Miesowicz, M. 5=8498, Momentum transfer in cosmic ray jets +Mięsowicz, M. 5=8499, High-energy nuclear jets +Mifflin, R. 5=15829, Radar echoes from moon +Mihăilă, A. 5=874, Boiling in reactor +Mihalas, D. 5=4563, Mg in atmospheres of O and B stars Mihalas, D. 5=4564, Properties of O and B stars Mihalov, J. D. + 5=13414, Artificially injected electrons +Mihelich, J. W. 5=11272, Decay of Tb¹⁵⁶(150y) to levels in Gd¹⁵⁸ and Dy¹⁵⁸ +Mihelich, J. W. 5=14503, Decay of Eu150 Mijlhoff, F.C. 5=11543, Electron diffraction of SeO, +Mika, J. 5=2866, Critical assemblies of NPY Mika, J.R. 5=94, Monoenergetic Boltzmann equation +Mika, J.R. 5=5725, Thermal utilization factor in "NORA" +Mikalkyavičhus, M. F. 5=15568, Se absorption spectra +Mikami, H. M. 5=6408, Microstructure of chromite-periclase Mikhailov, A.A. 5=4619, Aberration and solar parallax. +Mikhailov, B. M. 5=9131, Fluorescence of solution of polyenes +Mikhailov, I. F. 5=10399, Hydrogen liquefiers +Mikhailov, I. F. 5=13996, Hydrogen liquefiers Mikhailov, I. G. 5=3689, US measurements in solids Mikhailov, I. G. 5=6176, U. S. propagation in polymer solutions Mikhailov, I. G. + 5=14848, Acoustic velocity in formamide +Mikhailov, V. A. 5=8329, Track spark chamber Mikhailov, V. D. 5=14519, Charged particle pair production Mikhailov, V. F. 5=11251, e-Collimation from filmed source Mikhailov, V. F. 5=13186, Radioelements determination

+Mikhailovskii, V. M. 5=12561, Zn creep and thermal stability Mikhailovsky, A. B. 5=14763, Turbulent-plasma theory Mikhaleva, T. N. + 5=5636, Reactions in Zn by protons +Mikheev, V. L. 5=10956, Energy of ions in cyclotron Mikheeva, L. F. + 5=13067, Polarization in quartz neartransition temperature +Mikhelashvili, M.S. 5=1193, Transfer of excitation energy in solutions Mikhelev, V.M. 5=31, Algorithms for multiplication Mikhlin, E. Ya. 5=15067, Movement of pores in solids Mikhlin, S. G. + 5=10228, Variational methods Mikhnevich, V. V. 5=7504, Upper atmosphere density variations +Mikhnov, S. A. 5=11482, Spectra of disturbed-state substances +Miki, M. 5=15631, Sensitivity in mass spectrometry Mikoshiba, N. 5=9376, Metallic u.s. spin resonance + Mikulyak, R.M. 5=4351. Luminescence of GaP diodes Milagin, M. F. + 5=13088, Annealing of oriented polystyrene Millard, H. T., Jr. 5=14540, Fast neutron activation of Mn⁵⁵ +Milašin, N. 5=3795, Neutron damage in Mo and W Milberg, M. E. 5=3452, Sodium metaphosphate fibres +Milenin, V. M. 5=5930, Positive column electron distribution +Milenin, V. V. 5=12616, Si surface alloyed with Au Miles, D. O. + 5=7752, Calibration of rheological apparatus Miles, G.D. 5=1531, Yield drops of magnesium oxide Miles, D. P. + 5=13588, Magnetic disturbances due to explosion +Miles, J. F. 5=12779, Metal-oxide-semiconductor transistor Miles, J.W. 5=4463, Instability of the zonal wind Miles, J.W. 5=10060, Instability of the zonal wind. III Miles, M. H. + 5=12476, Internal friction Miles, R. F. 5=11171, Cosmic-ray neutrons +Mileshkina, N. V. 5=12840, Ge on W field emission, migration +Milford, F. J. 5=4199 Sublattice magnetizations of magnetite +Milford, S. N. 5=13682, High energy cosmic > +Millar, D. D. 5=11699, Spectroscopy of H plasma decay Millar, R. F. 5=4717, Spectra in grating theory. IV +Millea, M. F. 5=1298, Etching of GaAs Millea, M. F. + 5=7395, Electroluminescence of GaAs diodes Millea, M. F. + 5=7416, Thermal decomposition of GaAs +Millea, M. F. 5=12761, Zn diffused GaAs p-n junctions +Millen, D. J. 5=2937, Anharmonic potential constants Miller, A. A. 5=14883, Vaporization in nonpolar liquids +Miller, B. B. 5=129. Anechoic chamber Miller, C. E. + 5=7713, C resistors as pressure transducers +Miller, C.E., Jr 5=8724, Release of fission products +Miller, D. 5=5298, Search for fractionally charged particles +Miller, D. 5=8173, Accommodative tracking +Miller, D. 5=9159, N. M. R. of paramagnetic salts +Miller, D. B. 5=14383, Observation of beam profiles +Miller, D. H. 5=11119, YY production Miller, D. J. + 5=8484, Beta-decay of Σ^{\pm} -hyperons +Miller, D. J. 5=11120, β -decay of Λ +Miller, D. J. 5=11122, Lambda-hyperon beta decay +Miller, D. S. 5=13220, Fission-track ages of micas +Miller, E. 5=3394, Magnesium-tin phase diagram Miller, E. + 5=9149, Resistivity of liquid Cd-Sb alloys +Miller, G. L. 5=4883, High-speed pulse divider Miller, G. R. + 5=9422, Antistructure defects in Bi Miller, H. C. 5=8929, Electrical breakdown in vacuum Miller, H.C. 5=5939, Breakdown potential of neon Miller, J. D. + 5=10340, Waveforms of acoustic signals Miller, K. J. + 5=1299, Etching of Ge substrates Miller, M. K. 5=2112, Acoustic wave motion +Miller, P.B. 5=3988, Magnetic superconducting films Miller, P. B. 5=12276, Acoustic attenuation in insulators +Miller, R. 5=5283, Wire chamber - computer system Miller, R. A. + 5=6732, Elastic constants of LiF and NaF Miller, R.C. + 5=3531, Crystal structure of PtSb₂
Miller, R.C. + 5=13058, Optical interactions in LiNbO₃ +Miller, R. D. 5=11937, H₂O supercooling in glass capillaries Miller, R. D. W. 5=34, Pressure and speed of rollers +Miller, R. E. 5=6549, Specific heats of Ge, Si and Ge-Si +Miller, R. H. 5=8312, Digitized spark chamber +Miller, R. L. 5=3033, Valence data in SCMO calculations +Miller, R. L. 5=3533, Isotactic polybutene-1 morpholoy Miller, S. E. 5-2319, Convergent lens focusing +Miller, S. E. 5=2320, Tubular gas lens Miller, S. E. 5-2323, Control in light-wave guidance Miller, S. M. + 5=5658, Neutron cross sections titanium

Mikhailovskii, A. B. 5=14769, Plasma current-convection

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+Mikhailov, Ya. D. 5=6746, Physical properties of niobium +Mikhailova-Mikheeva, I. P. 5=14987, Growth of GaP and CdTe Mikhailovskii, A. B. 5=3217, Drift-cyclotron instability in a

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```
+Miller, T.D. 5=13560, Plasma stream in magnetic field
Miller, T. G. 5=14001, \alpha/\beta ratio for liquid He
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+Miller, W.C. 5=8349, Source exchanger for accelerator
+Miller, W. C. 5=11216, Fluorescence of B<sup>11</sup> 2.13MeV state +Miller, W. D. 5=8865, Hydrocarbon molecule excitation
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Millionshchikov, M. D. + 5=8711, High temperature reactor
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+Mills, F.E. 5=533, Mura electron accelerator. XV
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Mills, R. E. + 5=4199, Sublattice magnetizations of magnetite
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+Milne, D. K. 5=4596, Galactic polarized radio emission
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+Milnes, A. G. 5=6976, Post-breakdown in p—i—n silicon diodes
+Milone, C. 5=587, Neutron spectrometer
+Milone, C. 5=11381, U<sup>238</sup> fission by neutrons
+Miloslavskii, V. K. 5=7296, Optical constants of layers
Miloslavskii, V. K. 5=7312, Faraday effect in films
+Miloslavskii, V. K. 5=15225, Effective mass in SnO<sub>2</sub>
+Milova, V. B. 5=3590, Annealing of Ta and its alloys
+Milton, D. W. 5=13389, X-rays in auroral zone
+Milton, E. R. V. 5=5768, Excited molecules in active N
+Mil' vidskii, M.G. 5=1331, Structural peculiarities of Si
Mil'vidskii, M.G.+ 5=1464, Impurities in silicon
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     solids
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+Milyaev, V. A. 5=12975, E. S. R. of Cr ions in CdWO<sub>4</sub>
+Mims, W. B. 5=7272, Electron-spin-echo envelope modulation Min, K. + 5=8621, (\gamma,n) cross-sections of C and Mg
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+Minakawa, O. 5=11076, Four-momentum transfer
+Minakova, I. I. 5=14127, Powers in mm waveband
Minami, K.+ 5=3107, Stabilising of positive column
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+Minami, S. 5=8126, Far infrared spectrophotometer
Minari, F. 5=1514, Deformations of copper monocrystals
+Minari, F. 5=6702, Cu scratch deformation
+Minarik, E.V. 5=2631, Neutral π-mesons
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 +Minchenkova, L. E. 5=9131, Fluoresence of solution of polyenes
 +Mindt, W. 5=9726, Peltier effect in Ge electrolyte
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+Mineev, V. N. 5=13921, Shock waves and mechanical properties
+Mineev, Yu. V. 5=14337, Pulse-form discriminator
+Minesaki, A. 5=5921, Charge transfers in polypeptides. I
+Ming Nay-ben. 5=3753, Dislocations and loops in Mo
+Minguzzi-Ranzi, A. 5=2686, Sigma leptonic decays
 +Minguzzi-Ranzi, A. 5=5449, A-p scattering
 +Minguzzi-Ranzi, A. 5=5450, Leptonic decays of charged \Sigma
 +Minin, K. F. 5=10988, γ-Ray roentgenometer
 +Mink, J. W. 5=8979, Resonator in plasma diagnostics
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 +Minkoff, I. 5=12083, Twinning in graphite dendrites
 +Minkov, V. A. 5=13889, Thermodynamic working bodies
Minkowski, R. 5=1969, Supernovae and supernova remnants
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Minkowski, R. 5=10146, Planetary nebulae
 +Minkowski, R. 5=13720, Stars of planetary nebulae
```

```
+Minnaja, N. 5=9740, Photoconductor-dielectric-metal
      sandwiches
 +Minnaja, N. 5=12786, Si-SiO<sub>2</sub>-Al rectification and O vacancies
 Minnhagen, L. 5=5778, Excitation of atomic and ionic spectra
 +Minomura, S. 5=13011, V^{51} in V_2O_3 n. m. r.
 +Mioduszewska, B. 5=5787, Optical pumping in Rb spectrum
 Mircea, A. 5=1640, Semiconductor sheet resistivity
 Mirkin, L. I. 5=12168, X-ray analysis of materials
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 +Mirnov, S. V. 5=6054, Heating of plasma in "TOKAMAK-3"
 +Mironenkova, Z. P. 5=9691, p-n junction relaxation times
 Mironov, I. A. + 5=15604, Luminescence of ZnSe
 +Mironova, Z. A. 5=12404, Dislocations in quartz
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 +Mirotvorskii, V.S. 5=3866, Softening during recrystallisation
 Mirovitskii, D. I. 5=2111, Sound in inhomogeneous medium
 +Mirskaya, K. V. 5=1220, Lattice energies of crystals
 Mirsky, I. 5=2090, Vibrations of orthotropic cylinders
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     ferrite
 +Mirzabaev, M. 5=15333, Galvanomagnetism in n-Si
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 +Misbahuddin, S. 5=14439, N* resonances
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 +Miselyuk, E. G. 5=15210, Recombination in Ge
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 +Miskel, J. A. 5=5577, Asymmetry parameters in allowed \beta decay
 +Miskell, C. F. 5=6489, Structures of Sr<sub>6</sub>Mg<sub>23</sub>, SrMg<sub>4</sub>, Ba<sub>6</sub>Mg<sub>23</sub> and
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     neutrinos
+Misra, B. 5=10216, The spectral representation
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Misra, B. N. 5=12977, Exchange narrowing in DPPH e.s.r.
Misra, B. N. 5=15497, E. S. R. absorption of free radicals
Misra, M. 5=15365, Amplification of junction transistor
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+Missio, D. V. 5=5007, Theta-pinch for laser pumping
 Misso, C.E.F. + 5=2570, Radiation detectors, electron multi-
     pliers
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+Mitamura, S. 5=9674, Ge grain boundary currents
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 +Mitchell, A. 5=11856, H solubility in Fe alloys
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     disulphide
+Mitchell, G. E. 5=5679, Deuteron stripping on Mg<sup>26</sup>
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 +Mitchell, J. B. 5=6695, Mechanical properties of Al oxide
+Mitchell, J. B. 5=12520, MgO mechanical properties
Mitchell, J.M., Jr. 5=1931, Power spectrum of "red noise"
 +Mitchell, P. 5=13327, Oxygen density in upper atmosphere
Mitchell, R. E. + 5=9105, Heat capacities of cesium iodide
Mitchell, T.E. 5=9519, Stress-fields of dislocations in metals
Mitchell, T. E. + 5=9542, Slip in copper and \alpha-brass
Mitescu, C D. 5=15302, Currents in superconducting films
 +Mitin, R. V. 5=1043, Radiation from Ar arc
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+Mito, I. 5=11076, Four-momentum transfer
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Mitra, A. N. 5=5402, Repulsive \pi-\pi forces
+Mitra, A. N. 5=8425, n-d scattering at low energies
Mitra, A. N. + 5=11098, Pion models for mesons
+Mitra, A.N. 5=14409, Calculation of N form factors
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```

```
Mitra, G. B. 5=6405, X-ray diffraction from deformed metals
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+Mitra, S. 5=3040, Ligand field in Ni2+ complex
Mitra, S. 5=7092, Magnetic anisotropy of CuCs, Cl.
+Mitra, S. 5=12875, Magnetic properties of Cs2 CuCl
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+Mitra, S. 5=15449, Magnetic susceptibility and anisotropy in
     Co++ ion
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+Mitra, S. S. 5=15534, Lyddane—Sachs—Teller relation
+Mitrani, L. 5=10902, Resonance scintillation counter
+Mitrofanov, B. P. 5=1543, Losses for mechanical hysteresis
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     spectrum
+Mitsch, P. 5=15022, UO, film electron diffraction
Mitskevich, A. M. 5=13961, Generation of torsional vibrations Mitskevich, V. V. 5=4157, Susceptibility in ionic crystals
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+Mitsuma, T. 5=9845, E. S. R. on donors in Ge
+Mittal, M. L. 5=10515, Unsteady magnetohydrodynamic flow in
Mitteilung, K. 5=8836, Molecular force constants
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+Mittelstadt, V. R. 5=5998, Afterglow studies in hydrogen
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Mittleman, M. H. 5=5962, p + H_2 \rightarrow H^- + 2p reaction cross section
+Mittner, P. 5=629, K° decay
+Mittra, R. 5=10552, Matrices and waveguide discontinuities
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+Miura, I. 5=14960, Molecular motion in polyethylene
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+Miuscov, V. F. 5=9470, Dislocations in magnesium oxide
+Miwa, M. 5=5609, Photoprotons from fluorine and carbon
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+Miyagaki, M. 5=11076, Four-momentum transfer
 +Miyagi, M. 5=6650, Coloration of Na-silicate glass
+Miyagi, M. 5=15109, Multi-colors in glass plate
+Miyajima, T. 5=4060, Deterioration of Ge Esaki-diodes
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+Miyake, K. 5=11295, Deuterons from irradiated C
 +Miyake, S. 5=3616, Satellites in electron diffraction
 +Miyake, Y. 5=6229, Vapor pressure of ice
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 +Miziumski, C. 5=15317, As—Sb electrical properties
 +Mizuno, M. 5=3475, Transition of strontium olivine
 +Mizuno, M. 5=11938, Emissivity and freezing of metal oxide
 +Mizuno, Y. 5=7304, I. R. absorption in antiferromagnetic crystals
 +Mizushima, M. 5=8751, Cs<sup>133</sup> hyperfine structure
 +Mizushima, M. 5=14635, Spectral tables I diatomic molecules
 +Mlenik, M.P. 5=1402, Structure of polytrifluorochloroethylene
 +Mlodnosky, R. F. 5=11726, Modulated Langmuir probe
 +Mnatsakanyan, K. G. 5=10436, Gas-discharge potential stabilizer
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 +Mnyukh, Yu. V. 5=14942, Polymorphism of p-dichlorobenzene
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 Mobius, K. 5=11911, Solutions for e. s. r. spectroscopy
 Möbius, K. + 5=14667, E.S.R. of ionized tetracene
 +Mobley, R. M. 5=11071, Muonium \alpha structure constant
```

+Mochel, J. M. 5=6903, Superconducting bridge +Mocheney, S. B. 5=14099, Measuring microwave power Mochimaru, M. 5=1670, Transistors with double base regions Mochizuki, H. + 5=5763, Resonance radiation transfer +Modesto, M. 5=14521, $\gamma-\alpha$ reaction spectroscopy +Moedritzer, K. 5=4376, Molecular distributions, II +Moeller, A. 5=7397, Fluorescence of Nd in Al₂O₃: Cr, Nd +Moeller, C. E. 5=15057, Apparatus for thermal conductivity of solids Moenke-Blankenburg, L. 5=3507, Structure of Se films Moesta, H. 5=4151. Photo-generation of absorbed atoms Moffat, J. K. + 5=2329, "Ghost" lines in prism spectrometer +Moffat, J. W. 5=2596, Electron-photon interaction Moffatt, J. + 5=14524, γ , xn Reactions in Tl up to 105 MeV Moffet, A. T. 5=7625, Couble radio sources +Moffitt, W. P. 5=6352, Nucleation from aqueous solution Mohan, G. 5=10877, Regge-pole kinematics Mohindra, R. K. 5=5535, 3⁺ state in Ni⁶⁰ Mohling, F. + 5=2068, Degenerate Bose system. IV Mohling, F. + 5=13880, Multicomponent system quantum statistics Möhling, W. + 5=3747, Dislocations in CdS

Möhling, W. 5=3748, Zig-zag contrast from dislocations Moisar, E. 5=10735, Latent image formation Moiseev, B. I. + 5=14356, Coordinates on photographs of tracks +Moiseev, B. N. 5=14355, Measuring photographs of tracks Moiseev, V. F. + 5=14963, Shape of twins in metals +Moiseeva, T. G. 5=11955, Vapour pressure of Ti in Ti—Nb Moiseiwitsch, B. L. + 5=5779, Impact 1s-2p excitation of H atoms Mokeeva, V.I. 5=1397, Symmetry of β -uranophane Mokeeva, V. I. 5=3634, The structure of sklodowskite Mokhnach, D.O. 5=1978, Atmosphere of comets +Mokrov, A. P. 5=3718, Diffusion in iron alloys +Mokrova, A. M. 5=3718, Diffusion in iron alloys Molchanov, A. P. 5=7676, Solar radio radius changes +Molchanov, V. A. 5=7066, Sputtering and secondary emission +Moldauer, P.A. 5=812, Neutron optical model absorption Moldauer, P. A. 5=2486, Nuclear collision cross-sections. II Moldauer, P. A. 5=8610, Compound nucleus cross-sections Moldovanova, M. + 5=9682, PbS semiconductor properties +Molinari, A. 5=8626, Electron scattering by nuclei +Molinari, M.A. 5=580, Slow neutron counting +Molino, C. 5=779, Photoneutrons from medium elements +Molkanov, L. I. 5=9411, Rare earth diffusion in Ge Moll, J. L. 5=9693, Multiplication in Si p-n junctions Moll, J. L. 5=12691, Physics of semiconductors Mollenauer, J. F. 5=8301, Data simulation in experiments +Mollenauer, J. F. 5=11213, Energy levels of He4 Möllenstedt, G. + 5=328, Fresnel zone plates +Möllenstedt, G. 5=7911, Measurement of contact p.d. Möllenstedt, G. 5=10025, Be reformation by irradiation +Möllenstedt, G. 5=11970, Mean inner potential of Be +Möllenstedt, G. 5=14072, Electron microscope lenses, zone plates +Möller, E. 5=5293, Lund Van De Graaf accelerator Møller, H. B. + 5=15473, Magnetic scattering of neutrons in Cr +Møllerud, R. 5=5321, Neutrino interactions +Molloy, R. C. 5=15669, Radiation during eclipse Molnar, B. + 5=3501, Growth in films of GaAs Moment, R. L. + 5=6759, Grain boundaries in Halite +Monahan, J. E. 5=3125, Kinetic-energy of fragment ions Monahan, J. E. + 5=5642, Neutron moment in polarization +Monahan, J. E. 5=11322, Neutron scattering near A=20+Monaro, S. 5=5538, Excited states in Ru^{99} and Xe^{129} +Monaseldize, D. R. 5=5919, Heat of fusion of macromolecules +Monchick, L. 5=3086, Rainbows in molecular scattering +Monchick, L. 5=9053, Quantum gas collision integrals Moncuit, C. 5=1829, Absorption by alkaline earth platinocyanide crystals Mondain-Monval, G. 5=2203, Plasma and energy Mondragón B, A. + 5=5605, Fine structure in direct reactions Monfort, C.E., III. + 5=12287, Equation of state for K metal Monfort, C.E., III. + 5=15187, Compression of Tb, Eu. Sc. and MnSn Mongy, M. + 5=3839, Bordoni peak in Cu Mongy, M. + 5=15182, Bordoni peak in silver +Monier, J. C. 5=14976, Preparation of crystals of HgS Monin, A. S. 5=13245, Air surface layer turbulence Monin, I. F. 5=13188, Figure of earth Monod-Herzen, G. 5=9929, Rennes luminescence laboratory work +Monoszon, N. A. 5=9015, Characteristics of "TOKAMAK - 3" Monse, E. U. + 5=4377, Isotope exchange in N₂O₂ Monsonego, G. + 5=2727, E1 transitions +Montague, J. H. 5=5654, Neutron cross sections of C, Ca and Fe

```
Montalenti, G. 5=3782, N-irradiation of magnetic materials
 +Montalenti, G. 5=9561, Fe-Ni fatigue curves
 +Montanet, L. 5=5337, p + p jets with strange particles
+Montefinale, A.C. 5=3402, Ice nucleation and growth
Monterde-Garcia, A. 5=3114, Material functions of arc plasma
 +Montes, H. 5=7529, Some features of Es
Montet, G. L. 5=2193, Resistance of passive networks
+Montgomery, C. G. 5=3888, Electronic states in crystals
+Montgomery, C. G. 5=4275, N.Q.R. in PrCl<sub>3</sub>
Montgomery, D. 5=5145, Nonlinear Klein-Gordon equation
 +Montgomery, D. J. 5=15559, I. R. dispersion frequencies of LiI
Montgomery, G. L. + 5=6349, Etching of dislocations in aluminium
Montgomery, H. + 5=1380, Structure of Tutton's salts. II
+Montgomery, L. L. 5=5042, Conics as reflector contours
 Montgomery, M. D. + 5=15867, Electrons at 17.7 earth radii
+Monti, A. 5=14057, Ferrite cores
+Monti, D. 5=5434, Low-energy K
+Monti, M. 5=811, Neutron scattering on S32
 +Montoya, E. J. 5=13230, Stratosphere and mesosphere densities
Montroll, E. 5=64, 100 years of statistical mechanics
Montroll, E.W. + 5=6504, Defect effects on lattice vibrations Montroll, E.W. + 5=10268, Random walks on lattices. II
 +Montuelle, J. 5=9492, Cu polygonised state formation
+Montwill, A. 5=693, Heavy He hypernucleus
 +Montwill, A. 5=5499, Decay of heavy hypernuclei
Mookherji, A. + 5=1186, Ultraviolet absorption of ions
Mookherji, A. + 5=6187, U. V. absorption of inorganic solutions
Mookherji, T. 5=4169, Rare earth ethyl sulphate magnetism
Moon, K. A. 5=14911, Thermodynamics of solid solutions
+Mooney, C. F. 5=5126, Diffraction of ultra-soft X-rays
 +Mooney, E. J. 5=6181, Light scattering by liquids at 6937Å
 Moorcroft, D. R. 5=13441, Temperature of ionosphere
 +Moore, A. 5=12485, Tensile deformation in Be
Moore, B. C. 5=6117, Vacuum in nonuniform temperature
Moore, C.B. + 5=4409, Diazomethane from CH_2-N_2 reaction Moore, C.B. + 5=10072, Rain and hail after lightning
Moore, C. B. 5=14154, Gas-laser frequency selection
+Moore, C. F. 5=723, (d, p) reactions on Sn<sup>117</sup>, Sn<sup>119</sup>
+Moore, C. F. 5=5621, Fine structure in analog resonances
 +Moore, D. G. 5=7866, Thermal emissivity of cavities
+Moore, H. K. [Ed.] 5=10449, Exploding wires. Vol. 3 +Moore, J. A. 5=5660, Optical-model neutron cross sections
+Moore, J. A. 5=8690, Ternary fission of U235
 +Moore, M.S. 5=5368, n spectrometer backgrounds
 +Moore, R. K. 5=15830, Moon and earth radar returns
+Moore, R.S. 5=2341, Low absorption measurements
+Moore, R.S. 5=8053, Transient effects in lasers
+Moore, R.S. 5=11556, Rayleigh scattering from molecular
+Moore, W.J. 5=1703, Photoconduction of B-doped Ge
Morehead, F.F. + 5=4366, Electroluminescence in Zn<sub>x</sub>Cd<sub>1-x</sub>Te
Moorhead, R. D. 5=12432, Stopping cross section of He
+Moorhouse, R.G. 5=606, Pion-nucleon scattering
Moorjani, K. + 5=12693, Amorphous semiconductors
Moorthy, P. N. + 5=9494, Colour centres in alkaline ice
+Mooser, E. 5=1558, Electron-phonon interaction
+Mooser, E. 5=12715, Semiconductivity in pyrite
+Morabin, A. 5=7003, Dielectric constant of crystalline powder
+Moran, D. A. 5=4795, Acoustic radiation from cylinder
Moran, K. E. 5=13931, Recording exploding wire Moran, P. R. 5=9499, F band in cesium halides
+Moran, T. I. 5=14602, Hyperfine structure of Lu<sup>176m</sup>
+Morant, R. A. 5=15276, Thermomagnetic effects in graphite
Moravcsik, M. J. 5=574, Neutron-neutron scattering
Moravcsik, M. J. 5=2440, One-particle exchange theories
+Morawska, Z. 5=14886, W cathode evaporation rate
Morbitzer, L. + 5=1488, Electrons and ions in films
Mordkovich, V. N. 5=4035, O influence on Si conductivity
Mordkovich, V. N. 5=15219, Recombination in silicon
Mordoch, H. S. + 5=8368, \gamma -N cross-section +Mordvinov, B. P. 5=10535, Stationary unbounded convergence
Mordvinov, Yu. P. + 5=11660, Diffusion, mobility of ions
Mordyuk, N. S. + 5=15158, Elastic damping in Cu-Be and
      Cu-In alloys
+Moreau, J. B. 5=6014, Measurement of Cs plasma parameters
Moreau, R. 5=7985, Turbulent jet in magnetic field
Moreau, R. 5=10517, Laminar jet in magnetic field
+Morehead, F. F. 5=1639, Conductivity in semiconductors
+Morehead, F. F. 5=1870, CdTe junction electroluminescence
Morehead, F. F. + 5=9689, Conductivity in semiconductors. IV.
Moreno y Moreno, A. + 5=5565, Counters for radioactivity
+Morgan, C. G. 5=9750, Photoelectric emission in He discharges
```

```
Morgan, C. G. + 5=11669, Ionization growth constants in H
+Morgan, H. W. 5=14151, Simple He-Ne laser
Morgan, J. E. + 5=1160, Diffusion of O and N in inert gases
+Morgan, J. W. 5=15855-6, U and Th in stony meteorites. I-II
+Morgan, K. 5=7856, Royal Festival Hall acoustics
Morgan, T. A. 5=2022, Conservation laws for e.m. field Morgan, T. N. + 5=12734, Conduction by electrons in Ge
Morgante, O. 5=7559, Solar flares in 1963
Morgenstern, B. + 5=2321, Optical bandwidth extension +Morgenstern, H. H. A. 5=11342, Nuclear reactions of Si<sup>28</sup>
Morgenstern, J. + 5=11329, Co resonance parameters for n
+Morgenstern, Z. L. 5=9959, Ruby luminescence
+Morgenthaler, F. R. 5=12896, Spin—wave instabilities
Mori, F. + 5=7935, M.H.D. power generator. II
Mori, G. F. + 5=339, Stereoscopy and perceptual latency
Mori, H. 5=13891, Transport, collective and Brownian motion
Mori, M. 5=510, Pulse height analyser
+Mori. S. 5=4016, Semiconducting CdIn2Se4
 +Mori, S. 5=14727, Plasma in magnetic cavity
+Mori, Y. 5=15693, Upper atmosphere radar sounding
+Moriamez, C. 5=6174, U. S. propagation in 1,2-propanediol
Morigaki, K. 5=7216, Co<sup>2+</sup> e.s.r. in CdS
Morigaki, K. + 5=9845, E. S. R. on donors in Ge
+Morikawa, T. 5=7931, Electrode effects in m.h.d. generator
+Morimoto, N. 5=1384, Trioctahedral one-layer micas. I.
+Morin, J. 5=12654, Electrical resistivity of \alpha-U
+Morinaga, H. 5=5531, Ca<sup>50</sup> decay scheme
+Morinaga, H. 5=5638, Proton bombardments and states in Ba130
Morinigo, F. B. 5=8615, Stripping
+Morino, Y. 5=984, Microwave spectrum of formaldehyde
Morino, Y. + 5=11500, Gas electron diffraction data
Morinobu, S. + 5=8598, Decay of 135 La
+Morisson, H. 5=8843, Molecular vibrations in solutions
Morita, M. + 5=2381, Clebsch-Gordan coefficients
Morita, M. + 5=2627, Muon capture reactions
Morita, M. 5=2761, Theory of \beta-decay +Morita, R. 5=2627, Muon capture reactions
Morita, T. 5=1248, Statistical mechanics of solid solutions
+Morita, T. 5=6476, Palladium containing absorbed hydrogen
Morita, T. + 5=7102, Spin-½ Heisenberg ferromagnet +Morita, Y. 5=1663, Si P-N junctions
Moritz, J. 5=506, LI<sup>6</sup>F sandwich spectrometer
Moriya, T. 5=12906, Ferro- and antiferromagnetism of transition
Moriya, T. 5=15458, Antiferromagnetism of transition metals
+Moriyama, F. 5=7666, Spotty appearance of sun
Moriyama, M. + 5=8996, Microwave harmonic generation
 +Morkovin, N. V. 5=10525, Crystal oscillator
Morkowski, J. 5=4224, Damping of ferromagnetic resonance
Morlais, M. + 5=5071, Spectrophometric source for 100-2000 A
Morley, G. A. 5=7926, Thermistor-capacitor system oscillations
 Moroney, W. J. + 5=15411, Spectral characteristic, speed of a
GaAs_xP_{1-x}, GaAs photodiode
Morosin, B. + 5=9344, Crystal structure of MnCl<sub>2</sub>. 2H_2O and
FeCl<sub>2</sub>. 2H_2O
Morosin, B. + 5=9348, High-pressure phase of NH_4F and ND_4F
+Morosov, B.V. 5=2609, p-p elastic scattering
+Moroz, V. I. 5=2560, Isobar state systems and decay modes Moroz, V. I. + 5=15865, Interplanetary dust
Moroz, V.I. 5=4595, Observations of the crab nebula
Moroz, V. I. 5=7639, Infrared spectrum of mercury
+Moroz, V. I. 5=8482, Λ by isobars in π-p interactions
 Moroz, V. I. 5=13751, Conditions on surface of Venus
 Morozkin, V. I. + 5=9184, Boiling in subcooled water
Morozov, A. I. + 5=1128, Stabilization of plasma instabilities
Morozov, A. I. + 5=6045, Stability of plasma column
+Morozov, V. M. 5=5646, Scattering of polarised neutrons
Morozov, V. M. 5=7492, Light scattering at twilight +Morozov, V. P. 5=3035, Fundamental frequencies of hydrides
Morozov, V. P. 5=13969, Intelligibility in singing
 Morozov, Yu. A. + 5=7065, Reflection of electrons from W
 +Morozova, G. I. 5=3633, Structure of Mg-Ce and Mg-Nd
Morozova, N. G. + 5=8757, Arc lines of Fe-group elements
 +Morozova, N. K. 5=1858, Reflection spectra of zinc sulfide
 +Morozova, N. K. 5=12021, Crystal structure of ZnS
+Morpurgo, G. 5=635, \Xi_{/2}, Y_1, N_{3/2} decay widths Morpurgo, G. 5=697, EM properties of light nuclei
 +Morris, C.E. 5=15316, Protective oxide film formation
Morris, D. + 5=1971, Galactic magnetic field
 +Morris, D. 5=4602, Right ascensions for sources
Morris, D. + 5=4605, Polarization of radio sources
 +Morris, D. 5=13748, Displacement of Jupiter's dipole
```

+Morris, M.C. 5=1357, X-ray diffraction patterns Morris, P. R. + 5=3648, Lattice constants of UF Morris, T. F. 5=2044, Causality requirements +Morris, T.W. 5=2689, Existence of Ω-hyperon +Morris, T.W. 5=11036, Antiproton-proton interactions Morrish, A. H. [Ed.]. + 5=15427, Magnetic Materials Digest 1964 +Morrison, D. L. 5=12325, Fission-gas release from Fe-20%Cr +Morrison, D. R. O. 5=5298, Fractionally charged particles +Morrison, D. R. O. 5=5400, Resonance production by $\pi + n$ +Morrison, G. C. 5=5620, Reactions with analogue state resonances +Morrison, J. 5=3482, Structure of graphite +Morrison, J. 5=3632, Layers of Pb and Sn on Si + Morrison, J. 5=4395, Surface reactions of Si with Al and In Morrison, J. A. + 5=6906-7, Magnetoresistance of semiconductors and plasmas. II-III +Morrison, J. A. 5=11881, Thermodynamics of CH₄ + C₃H₈ liquid +Morrison, J. A. 5=12335, Anion diffusion in NaCl +Morrison, R. C. 5=5275, Quadrupole magnet as spectrometer Morrison, R. J + 5=1238, Mössbauer scattering in Os¹⁸ +Morrison, R. J. 5=8519, Mössbauer scattering Morriss, R. H. + 5=3384, Optics of multilayer colloids Morrow, J. + 5=12466, Strain range and fatigue life +Morrow, J. C. 5=9768, C₅H₅NOCuCl₂ magnetism +Morrow, T. 5=11603, Free radicals in photolysis Morse, F. A. + 5=11419, Ground-state O, N, and H Morse, P. M. 5=10332, Acoustic scattering from inhomogeneity Morse, R. L. 5=11732, Plasma sheaths +Morsy, S. M. 5=5680, Alpha particle groups from $P^{31}(d, \alpha)$ Si²⁹ +Morsy, S. M. 5=8316, Scattering chamber for solid detectors Morse, D. L. 5=14682, Plasma rotation in a discharge +Morse, R. W. 5=3990, U.S. waves in superconducting Al Morse, T. F. 5=1150, Standing waves in gas Mort. J. + 5=7319, Alkali halide F-centre properties +Mortara, L. B. 5=8362, Quest for quarks Morton, A. H. 5=1115, Plasma in mirror machines Morton, D.C. 5=1968, U.V. stellar radiation Morton, D. C. 5=7572, X-ray emission of neutron stars Morton, D. C. 5=7587, Theory of u.v. spectra of B stars Morton, D. C. 5=10141, Ultraviolet spectra of stars +Morton, J. R. 5=3052, ESR of organic oxy radicals Morton, J. R. 5=4245, E.S.R. spectrum of (CH₃)₂CCO₂ below 77°K Morton, K.W. 5=3156, Compression waves in a plasma +Morton, N. 5=9795, Ferro and antiferromagnetism in FeCr +Morton, V. 5=3648, Lattice constants of UF +Mosanov, O. 5=12741, Electrical properties of InSb Mosburg, E. R., Jr. + 5=3151, Plasma diffusion across magnetic +Moscalenko, V. A. 5=7799, Averages for Pauli operators +Mościcki, W. 5=6191, Phosphorescence in solutions of oils +Moseeva, N. M. 5=12144, Electron microscope contamination +Moser, F. 5=1799, E.S.R. on Cu-doped HgCl +Moser, H. 5=964, Raman effect of CCl Moser, H. + 5=1863, Raman crystal powder spectra +Moser, H. 5=11528, Resonance Raman effect +Moser, R. 5=1255, Phase of $\mathrm{Nb_2O_5}$ +Moser, R. 5=9979, Electroluminescence at liquid He temperatures +Moses, H.E. 5=403, Inhomogeneous Lorentz group +Moseson, R. 5=12039, Sputtering for film deposition +Mosher, R. L. 5=11624, Joshi effect +Moshinsky, M. 5=5139, Irreducible U_{n-1} vector spaces Moshinsky, M. 5=5175, Compact Lie groups +Moshinsky, M. 5=5176, Clebsch-Gordan coefficients of SU₃ +Moshinsky, M. 5=5484, Effects in interaction model

Moss, T.S. + 5=2285, Oscillation in ring laser Mossman, P. 5=12902, Domain propagation in magnetic film Mostov, P. M. + 5=5933, Glow-type discharges +Mostovoi, Yu. A. 5=10414, Nsec e-pulse generator Mostovskii, A.A. + 5=1696, Photoelectric properties of films Moszyński, M. + 5=8436, Time-of-flight spectrometer +Motchane, J. L. 5=4983, "Rotatory resonance" +Motchane, J.L. 5=7207, Electron spins in radiofrequency field Motchane, J.L. 5=7790, Density matrix of a decoupled system +Mote, J. D. 5=15183, Ag-Al prismatic slip Motley, R.W. 5=11763, Cs device plasma loss +Motoc, C. 5=3789, n-irradiation of ferrites +Motschmann, H. 5=1157, Electric conductivity of H +Mott.H. 5=4959, E. M. wave back-scattering by moving target Mottelson, B. 5=696, Collective phenomena in nuclei Motulevich, G. P. + 5=1843, Optical constants of Au +Motz, H. T. 5=733, Energy levels of Dy16 Motz, J. W. + 5=2917, K-Ionization of relativistic electrons Motz, J. W. + 5=14616, Electron scattering +Motz, L. 5=10133, Model of moderate mass star +Mouilhayrat, G. 5=5656, Binding energy of Si25 Moulin, L. 5=13632, Recovery trajectories +Moulin, T. 5=3147, Plasma flow as progressive wave Moulton, D. M. + 5=8732, Recording of mass spectra Moulton, D. McL. + 5=14577, Time-resolved mass spectra +Moulton, W. G. 5=1008, p-Dibromobenzene spin-lattice relaxation +Moulton, W.G. 5=4275, N.Q.R. in PrCl. +Mounier, S. 5=7020. Permittivity of ferroelectric crystal +Mountvala, A. J. 5=6735, Creep-rupture of MgO Mouod-Herzen, G. 5=14198, Photons and interference Mouradian, Z. 5=13771, Spectrophotometry in solar chromosphere Movchan, B. A. + 5=6627, Imperfection motion in alloys Mowbray, G. H. 5=135, Auditory shadowing +Mover, B. J. 5=610, p polarization in π^{\pm} -p scattering +Moyer, B. J. 5=2646, π^{\pm} p Elastic scattering +Moyer, B. J. 5=2646, π^{\pm} p Elastic scattering +Moyer, B. J. 5=8407, Polarization in proton scattering, 725 MeV +Moyer, V. E. 5=10551, Radar backscattering Moynihan, C. T. + 5=7437, Cation mobilities in KCl-LiCl +Moyzis, J. 5=14677, Collimation in molecular beam +Mozer, B. 5=3915, Metallic impurity problem +Mozer, F. S. 5=13414, Artificially injected electrons +Mozley, R. F. 5=592, Neutral meson production Mozin, I. V. 5=10450, Cascade generator voltage pulsations +Mozley, R. 5=5313, Bremsstrahlung angular variation +Mozley, R. F. 5=2633, Charged-pion photoproduction Mozrzymas, J. 5=8195, Spinors of group $\hat{c} \times \hat{c}'$ +Mravinac, J. 5=9977, Luminescence of ZnS: Cu +Mrevlishvili, G. M. 5=5919, Heat of fusion of macromolecules Mroz, Z. 5=15125, Flow laws in plasticity +Mualem, A. 5=3428, Mössbauer effect of Eu¹⁵³ Mueller, H. + 5=7384, Luminescence of alkali ozides +Muerdter, D. R. 5=13970, Pitch shifts Muff, E. 5=1270, Order-disorder Ni-Pt Mugglestone, D. + 5=10140, Stellar atmospheric absorption lines +Mugglestone, D. 5=15803, Tables of line broadening Mugnier, D. + 5=5326, Trochoidal β -spectrometer +Muir, H. 5=15431, EuF₂ magnetic, chemical properties +Muir, W.B. 5=1614, Mathiessen's rule in Ma alloys Muir, W.B. 5=9769, Relaxation and electron magnetic properties +Muir, W. B. 5=12874, Properties of Mg-Mn-Al alloys +Muirhead, H. 5=11067, ν -less μ decays +Mukhamedova, D. A. 5=7362, Absorption and dispersion of ruby Mukherjee, B. + 5=15160, Elastic constants of 1, 8-dihydroxyanthraquinone Mukherjee, C.S. + 5=2484, Crossing matrix in isospin Mukherjee, I. + 5=839, Interpretation of Pb²⁰⁶(d, p)Pb²⁰⁷ +Mukherjee, J. 5=7497, Radioactive fall-out Mukherjee, K. 5=1454, Entropies associated with vacancies Mukherjee, K. + 5=12354, Point defects in Au-Zn +Mukherjee, P. 5=839, Interpretation of Pb²⁰⁸(d, p)Pb²⁰⁷ Mukherjee, P. 5=8674, Nuclear spectroscopy with T1205 Mukherjee, P. 5=11242, Pt nuclear structure Mukherjee, P. 5=11243, Nuclear structure of ${\rm Ti}^{206}$ +Mukherjee, S. K. 5=5580, Decay of ${\rm Sr}^{93}$ and ${\rm Y}^{98}$ Mukherji, S. + 5=11386, Ba¹⁴⁰ range in U²³⁸ fission +Mukhina, M. M. 5=14130, E.P.R. spectrometer +Mukhovatov, V. S. 5=6028, Plasma confinement Mukhtarov, I. A. 5=995, Vibration frequency of trifluorothane +Mukunda, N. 5=8222, W_3 with parity interchange Mukunda Rao, M. + 5=13499, Sporadic-E over Waltair +Mulady, J. R. 5=521, Mura electron accelerator. III

ions

Moshinsky, M. 5=5485, Model of 2s-1d shell

+Moskalev, V.I. 5=2924, Scattering of du atoms +Moskowitz, F. 5=5049, Digital optical systems

+Moskalenko, V. A. 5=15107, Optical bands of F centers

Moskalev, V. A. + 5=10968, Radiation pulses in betatrons

Moskvitina, E.N.+ 5=3005, Infrared spectrum of F₂NNF₂ Mösner, J.+ 5=11257, Decay of Be⁹ 2. 43MeV level

+Moss, M. K. 5=14169, γ-ray effects on ruby laser

Moss, S.C. 5=3461, Short-range order in Cu₃Au

Moss, M. + 5=9648, Superconductors by plasma-jet spraying

+Moskalenko, V.A. 5=15247, Exciton series in Cu_2O +Moskalenko, V.A. 5=1623, Thermodynamics of superconductors Moskalev, S.S. + 5=14422, Multiwire neutron detector

Moskowitz, J.W. + 5=11564, Ethylene molecule in Gaussian basis. I

+Moskvin, Yu. L. 5=5992, Turbulent fields in plasma Moskvin, Yu. V. 5=11416, Wave functions and photoionization of

```
+Mulady, J.R. 5=524, Mura electron accelerator.VI
Mulady, J.R.+ 5=525, Mura electron accelerator.VII
Mulay, L. N. + 5=1720, Magnetic susceptibility measurement
Mulay, L. N. + 5=9253, Adsorption of oxygen
+Muldakhmetov, Z.M. 5=3027, Vibrations of CHCl3 and CDCl3
Muldowney, J. S. 5=10868, Analyticity of S-matrix
 +Mulford, R. N. R. 5=9091, Pu solubility in liquid Sn
Mulhall, W.J.+ 5=672, Interaction of nucleons in same shell
+Mullen, J. 5=13663, Satellite scintillations
Mullen, L.O. + 5=11823, Production of high vacuum
+Mullendore, A.W. 5=3833, Creep in Al-3% Cu
+Mullendore, A. W. 5=12471, Grain boundary sliding
+Muller, A. 5=598, Deuteron as nucleon target
+Müller, E.W. 5=231, Field ion microscope
+Müller, E.W. 5=3120, Energy in field ionization
Müller, E.W. 5=3484, Field evaporated surfaces
+Muller, F. 5=8473, K (725) in K<sup>+</sup>p interactions at 3 GeV/c
+Müller, G. 5=1104, Behaviour of r.f. plasma probe
Müller, G.O. + 5=9942, Cathodo-luminescence of CdS
Müller, G. O. + 5=14950, Texture of CdS films
Müller, J. W. H. 5=10885, Dirac equation and Regge pole
Müller, K. 5=1502, Dispersion-strengthening of metals
Müller, K. 5=9196, Correction to impurity gound states
Müller, K. 5=9310, Ag film electron diffraction
Müller, K. 5=10755, Delves variation principle
 +Müller, K. 5=12924, Magnetic properties of FePd phases
+Müller, K. A. 5=7249, Si e.s.r. broadening by O Müller, K. H. 5=5710, Basic equations of reactor kinetics
Müller, K. H. 5=8704, Neutron flux in flat slabs
Müller, R. + 5=3371, Temperature cell for n.m.r.
Müller, R. 5=8156, Microphotometer for photographic emulsions
 +Müller, S. 5=6294, Ageing of Fe-C alloy
+Muller, Th. 5=11070, Range measurements for muons
Müller, W. 5=8989, Temperature behavior of a discharge
Müller, W. + 5=11432, Eu hyperfine structure, electric n.q.r. Müller, W. + 5=12198, Disorder in cobalt ferrite
Müller-Duysing, W. + 5=1067, Ion formation in PH, AsH, and SiH,
+Müller-Warmuth, W. 5=3364, Spin-lattice relaxation in solutions
 +Müller-Warmuth, W. 5=9158, Polarization and relaxation in
 Müller-Warmuth, W. 5=14674, H. F.S. of dissolved free radicals
Mulliken, R. S. 5=3129, Rare-gas and H<sub>2</sub> electronic states +Mullikin, T. W. 5=6074, Linearized problem in Couette flow
 +Mullin, C. R. 5=1198, Luminescence in solvent systems
 Mullin, C. R. + 5=11714, Microwave reflection by plasmas
 +Mullin, J. B. 5=10305, Thermodynamics of vectorial
      phenomena. I
 Mullin, W. J. 5=4155, Dirac vector model for a solid
 +Mullins, W. W. 5=12007, Austenite growth in Fe-N
 +Multani, M. S. 5=14893, Ionic characters from Mössbauer shifts
 +Mulvey, J. H. 5=14439, N* resonances
 Mulvey, T. 5=7451, Electron probe X-ray microanalysis
 Mumm, J. 5=5205, Particle fusion theory
 Mumm, T. 5=14280, Furion of two particles
 Munakata, M. 5=7938, Refractory materials for m.h.d. generation
 Munczek, H. 5=5232, Inelastic effects in N/D
 +Mundy, R. E. 5=12972, Spin-lattice relaxation times
 +Munin, A. G. 5=13963, Acoustical characteristics of jet
Munir, Z. A. + 5=6226, Vapor pressure and sublimation of Ga
 +Muniz, R. P. A. 5=12992, E. S. R. of Na nitroprusside
Munn, R.J. + 5=3080, Molecular scattering and transport
 +Munn, R.J. 5=3275, Transport collision integrals
+Munn, R.J. 5=6166, Thermodynamics of hydrocarbon mixtures
 Munn, R.J. + 5=9053, Quantum gas collision integrals
 +Munn, R.J. 5=9054, Collision integrals for gases
 +Munn, R. J. 5=14813, Transport properties of alkali vapors Münnich, F. + 5=2778, Decay of {\rm Ag}^{110}
 +Muñoz, E. 5=12795, Thickness and electric strength of NaBr
 +Muñoz, P, E. 5=6384, Plate segregation in NaCl
 Munro, D. C. 5=6268, Pressure-induced phase transformations
 Munro, D. C. 5=7700, High-pressure techniques
 +Munro, I. H. 5=9132, Fluorescence of pyrene solutions
 +Munro, W.D. 5=14785, Flow between rotating cylinders
 Munschy, G. 5=15479, Ferromagnetic resonance in metals
 +Munson, D. 5=9176, Freezing of eutectic mixtures
 +Munson, D.E. 5=9581, Creep of Zn
+Munson, J.H. 5=8326, Bubble chamber scanning
Munson, M.S.B. + 5=10030, Radiolysis of CH<sub>4</sub>
 Münster, H. 5=11396, UO_2—ThO_2 resonance escape probability
 +Muntoni, C. 5=12622, Behaviour of exciton states
 +Muntzer, P. 5=11788, Turbulent friction in ducts Munz, D. + 5=6699, Plastic deformation of \alpha-brass
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+Murahashi, S. 5=1021, Vibrations of polymer molecules. IV
+Murahashi, S. 5=11615, Vibrations of polymer molecules. V
+Murai, Y. 5=7931, Electrode effects in m.h.d. generator
+Murakami, K. 5=7712, Diaphragm manometer
Murakawa, K. 5=900, Spectrum of I II.
+Muramoto, T. 5=7230, F<sup>19</sup> e.s.r. in CaF<sub>2</sub>
Murao, T. + 5=9887, Zeeman effect for rare-earth ions
+Murase, K. 5=3955, Electron scattering by acceptors in Ge
Murasik, A.+ 5=7163. Magnetic structure of iron manganite
+Murasik, A. 5=7184, Magnetic structure of GeNi,O<sub>4</sub>
Murat, M. + 5=1243, Phases after reduction of U_3O_8
+Murata, T. 5=731, 0<sup>+</sup> excited state of Ce<sup>140</sup>
+Murata, Y. 5=11500, Gas electron diffraction data
+Murav'eva, V. V. 5=5587, Decay of Nd isotopes
+Muray,J.J. 5=12846, Electron and ion emission from metals
+Murchison, D. G. 5=15577, U oxide reflectivity
Murgatroyd, W. 5=11851, Dry patch in film flow
Murie, R. A. + 5=2335, Atomic absorption spectrophotometers
+Murin, A. N. 5=6588, Zn diffusion in InSb
+Murin, A. N. 5=9411, Rare earth diffusion in Ge
+Murin, A. N. 5=15073, Hg diffusion in InSb
+Murin, A. N. 5=15074, Co diffusion in InSb
+Murley, P. C. 5=15364, Diffused junction transistors
Murooka, Y. + 5=6198, Pre-breakdown phenomena in liquids
+Murphy, A. C. 5=13485, Effects in D region
+Murphy, E. G. 5=1113, Larmor radius for mirror machines
Murphy, J. W. + 5=10835, Bound states of 3-body system
+Murphy, J. W. 5=14460, p-Shell hypernuclei Λ-N
Murphy, N. St. J. 5=4039, Surface mobility of holes in Si
Murr, L. E. 5=6320, Preparation of metal foils
Murray, A. E. 5=14177, All-Irtran doublet objective
*Murray, E.L. 5=13327, Oxygen density in upper atmosphere
+Murray, G. 5=11244, Momenta of Pb<sup>212</sup> conversion electrons
+Murray, G. 5=14534, Determination of (p, n) thresholds
Murray, G. T. + 5=6735, Creep-rupture of MgO
Murray, G. T. + 5=15082, Diffusion and precipitation of He in Zr
 +Murray, H. 5=11450, Landé factor for 43P, Zn level
+Murray, J.J. 5=643, S=-2 baryon systems
+Murray, J. J. 5=11127, Production, decay of \Xi^* (1820) Murray, R. B. + 5=9957, KI V_{\chi} centre luminescence
Murrell, J. N. + 5=11608, Intermolecular forces for overlap Murthy, M. K. + 5=4294, I.R. spectra of germanate glasses Murthy, N. S. + 5=947, CrO (A \rightarrow X) band system
+Murtin, F. 5=7539, Sporadic-E ionization
 +Murty, C. R. K. 5=5895, Determination of relaxation times
Murty, G.S. 5=14091, Boundary conditions at free surface
Murty, R. C. 5=8374, Gamma ray absorption Murty, R. C. 5=13803, 1st year physics course
 +Musa, G. 5=7940, Caesium-cadmium diode
 +Musa, M. 5=15549, Solid, liquid Co compounds absorption
Musaelyan, Sh. A. 5=4454, Physics of wave-shaped clouds
 +Musatov, A. L. 5=4130, Field emission from Ge
+Musatov, L. S. 5=15760, Magnetic field and positive ions
      inside magnetosphere
 +Musci, M. 5=14902, Mössbauer effect in FeGe,
Müser, H.A. + 5=1566, Charge transfer in PbTe-films
 +Musgrave, B. 5=8450, Exchange in \pi^* p \rightarrow p \pi^*\pi^0 at 4 GeV/c
 Musgrave, B. + 5=11119, YY production
 +Musgrave, B. 5=14439, N* resonances
Musgrave, M. J. P. 5=1571, Energy gap in semiconductors
 Musha, T. 5=2025, Wave amplification
 Musher, J. I. 5=1012, Calculation of London energies. II.
 +Musher, J.I. 5=3370, Solvent effects in n.m.r. II.
 +Mushiake, Y. 5=10531-2, E M waves along conducting plane
 Musil, J. 5=6005, E. M. wave propagation in hot plasma
 +Musin, M.A. 5=2610, → 650 MeV p elastic scattering
 +Musin, Ya. A. 5=15647, Nuclear geochronology
 Muskhelishvili, G. N. + 5=14034, Generator and precision timer
Muss, D.R. 5=4352, Luminescence in Ge
 +Musser, J. M. 5=13424, High-altitude nuclear tests
+Musset, P. 5=1110, K* interactions at 900 MeV/c
 +Musset, P. 5=2655, \pi^- Interactions on nuclei
 Mustacchi, C. 5=6769, Rupture of uranium ceramics
 Mustafaev, N. M. + 5=15017, Crystal structure of K2BeF4
 Mustel', E.R. 5=4511, Corpuscular streams and geomagnetism
 Mustel', É.R. 5=4586, Composition of nova shells. I
Musulin, B. + 5=2903, He index of refraction
 Mutaftschiev, B. 5=6316, Surface energy and self-adsorption
 Mutaftschiew, B. 5=9275, Growth, decomposition planes of Cd
 +Muth, A. 5=1566, Charge transfer in PbTe-films
Muto, T. + 5=4259, N.M.R. in ferromagnetic metals. I
```

+Muto, Y. 5=12874, Properties of Mg-Mn-Al alloys

Muzinich, I. J. 5=2472, Crossing matrices for helicity amplitudes +Muzinich, I. J. 5=5334, \u03c4-N, K-N and N-N scattering +Muzinich, I. J. 5=10854, Field theory and dilatational symmetry +Myatt, G. 5=5321, Neutrino interactions +Myers, A. 5=7080, Cd De Haas—Van Alphen oscillations Myers, H. P. + 5=15345, Semiconduction in uranium dioxide Myers, R. A. + 5=8044, Laser deflection with resonator Myers, R. A. + 5=8072, Light modulation experiments +Myers, R. A. 5=10635, Bidirectional electrically switched laser Myerscough, V. P. 5=5789, Continuum correlation in C +Myerscough, V. P. 5=5796, Scattering of electrons by C atoms +Myint, T. 5=276, ³He nuclear Zeeman maser +Mykhailov, H. O. 5=15295, Superconducting films of Pb, In +Mykhailov, I. F. 5=2152, Counter-flow heat exchangers +Mykhailov, I. F. 5=2153, Liquefaction machines Mỹkhal'chenko, V. P. + 5=3664, Thermal crystal lattice vibrations +Myklebost, K. 5=5447, N-N scattering +Myklebost, K. 5=11120, β -decay of Λ +Mykura, H. 5=12531, Pt non-octahedral slip Myles, K. M. 5=6542, Thermodynamic properties of Pd-Ag +Mylin, D. C. 5=14200, Deviation errors of interferograms Mylnikov, V. + 5=4118, Photo-response in semiconductors +Myl'nikova, I.E. 5=9328, Bi₂O₃-metal₂O₃ structure +Myloslavs'kyi, V. K. 5=15576, Optical properties in SnO. +Mylov, V. A. 5=1678, Dielectric properties of Ba (Ti, Zr) O₃ +Mysels, K. J. 5=11852, Flow in liquid films +Myuller, R. L. 5=3554, Crystallization of AsSe_xGe_y glasses Myznikov, K. P. + 5=10958, Beam in synchrophasotron

+Myznikov, K. P. 5=10959, Field in synchrophasotron

+Muzhdaba, V. M. 5=4031, New oscillation of magnetoresistance

Naake, H. J. + 5=1257, Solid solutions in $Zn_3As_2-Cd_3As_2+Nabatova$, L. V. 5=12402, Dislocations in Ge Naberezhnikh, V. P. + 5=1595, Cyclotron resonance in zinc +Nabitovich, I. D. 5=12425, F-centre coagulation in KCl +Naboikin, Yu.V. 5=304, High reflection coefficients Naboikin, Yu. V. + 5=5879, Emission spectra of organic molecules Naboikin, Yu. V. + 5=15410, Photoconductivity in pyrene +Naboka, V. A. 5=11755, Instability in plasmoid Nabutovskii, V. M. 5=15204, Electron traps in metals +Nachman, J. F. 5=11990, Solution ideality in Pr-Nd Nachman, M. + 5=15331, Electrical properties of NiO Nachtigall, D. + 5=14421, Measuring neutron flux densities +Nachtrieb, N. H. 5=9162, Molten salt n. m. r. II Nad', F. Ya. + 5=12829, Photoconductivity of InSb Nadelhaft, I. 5=8661, Radiative μ capture in Cu +Nadelhaft, I. 5=11090, "-p interactions +Nadëzhin, D. K. 5=4584, Type II supernova outburst Nadëzhin, D. K. + 5=4585, Shock wave at a stellar surface +Nadig, F. H. 5=13933, Acceleration by exploding wires +Nadkarni, D. M. 5=8689, 4 MeV n-fission of U2 Nadzhakov, G. + 5=1684, Double layer electret Nadzhakov, G. + 5=7021, Creation of surface photoelectret state +Nag, B.R. 5=6915, "Microwave semiconductor measurements" Nag, B. R. + 5=6924, Electrical properties of p-Ge Nag. B. R. + 5=7997, Faraday rotation in artificial dielectrics Nagai, H. + 5=5478, Shell model of If, 2p nuclei Nagai, K. 5=4963, End-fire array of antennas Nagai, K. 5=8003, End-fire array Nagai, K. 5=8911, Dimensions of polymer chains +Nagai, M. 5=13590, Solar-terrestrial disturbances Nagamatsu, H. T. + 5=11800, Transition of hypersonic boundary +Nagamiya, T. 5=7180, Magnetic anisotropy of CoO +Nagao, S. 5=6198, Pre-breakdown phenomena in liquids Nagao, S. 5=11737, Radial mirror field +Nagaraj, S. 5=947, CrO (A \rightarrow X) band system +Nagaraja Rao, C.R. 5=13275, Skylight polarization Nagaraja Rao, C. R. 5=15641, Polarization and albedo Nagarajan, G. 5=970, Properties of PCl, molecule Nagarajan, G. 5=3007, Amplitudes of vibration of pentachlorides Nagarajan, G. 5=5856, Amplitudes of vibration difluorides Nagarajan, G. 5=5859, Amplitudes of vibration in some oxides Nagarajan, G. + 5=11490, Shrinkages of internuclear distances Nagarajan, M. A. + 5=10779, Elementary and composite particles Nagarajan, M. K. + 5=3325, Diffusion of Na²² in NaNO₂ Nagasawa, A. 5=14952, Superlattice structure of AuPd films Nagasawa, H. 5=260, N.M.R. dispersion spectrometer Nagasawa, H. + 5=13011, V^{51} in V_2O_3 n. m. r.

+Nagasawa, S. 5=15890, Areas of Ca plage +Nagashima, T. 5=15451, Fe, Ni-Fe and Ni film domains +Nagashima, Y. 5=2801, π^* From C nuclei +Nagashima, Y. 5=11348, 3-3 resonance in nucleus Nagata, K. + 5=4237, E.S.R. line width of CuF-2H-O. +Nagata, R. 5=3809, Strain measurement by diffraction +Nagata, S. 5=5462, Elastic and inelastic p-He⁴ collisions Nagata, T. + 5=10097, Polar magnetic storms Nagata, T. + 5=12926, Identification of magnetite and hematite +Nagata, T. 5=15677, Low-latitude whistlers Nagata, T. + 5=15701, Airglow [OI] 6300 Å emission Nagel, J. G. + 5=5139, Irreducible U_{n-1} vector spaces +Nagel, W. 5=5371, Thresholdless n detector search Nagelberg, E. R. 5=8977, Microwave interaction with plasmas Nagels, P. + 5=4040, Fission fragment damage on UO, +Nagels, P. 5=15319, CoO and NiO electrical properties +Nagender Naidu, S.V. 5=12209, Thermal behaviour of PbO₂ +Nagender Naidu, S. V. 5=15023, Crystal structure of ZnF₂. 4H₂O +Nageswara Rao, B. D. 5=8032, R. F. spectrometer for n.q.r. Nageswara Rao, B. D. 5=8887, Nuclear magnetic double resonance Nageswara Rao, B. D. + 5=11595, Nuclear magnetic doubleresonance Nagibarov, V. R. 5=12372, Derivation of dislocation strains Nagibarov, V. R. + 5=13993, Stimulated emission of phonons Nagl, J. + 5=740, Calorimetric dose measurements +Nagle, R. J. 5=5577, Asymmetry parameters in allowed β decay +Nagornaya, L. L. 5=9997, Stability of plastic scintillators +Nagy, E. 5=5394, Inelastic two-prong interactions +Nagy, E. 5=11079, π -p interactions at 17.2 GeV +Nagy, E. 5=15126, Plastic properties of f. c. c. metals Nagy, I. 5=9227, Ordering in Cu, Au. IV Nagy, J. L. 5=14082, Energy of ion beam Nahemow, M. + 5=5934, Cathode-fall in glow discharge Nahshol, D. 5=10203. Coefficient-of-friction machine Naiduch, Yu. V. + 5=3307, Solubility of C in Ni alloys +Naik, Y. G. 5=15272, Electrical properties of films Naik, Y. G. + 5=15556, Optical properties of crystals +Nair, S. C. K. 5=11256, ft Values of β decays +Naito, H. 5=14024, Magnetoresistance analyser Nakada, I. + 5=1656, Electrical conductivity of anthracene Nakada, Y. + 5=3832, Stress-strain curves of Al and Au Nakada, Y. + 5=3851, Dimensions and easy glide in Au Nakada, Y. 5=9532, Plastic deformation of f. c. c. crystals +Nakagawa, M. 5=10816, Baryon-Lepton symmetry +Nakagawa, S. 5=14454, H nuclei in primary cosmic rays +Nakagawa, T. 5=1680, Curie point of BaTiO, +Nakagawa, T. 5=5906, C¹³ proton spin coupling Nakagawa, Y. + 5=7088, Neutron diffraction of Mn-Zn Nakagawa, Y.+ 5=7187, Magnetic structure of MnHg Nakai, J.+ 5=4074, Tunneling current in Al oxide Nakai, S. 5=10288, Thermal radiation spectrum +Nakai, S. 5=14718, Measurements of shocked plasma +Nakajima, K. 5=3808, Stress-strain analysis: CuAu I. II Nakajima, S. + 5=6768, Recovery in tungsten Nakajima, S. 5=6856, Falicov-Cohen superconductivity
Nakajima, S. + 5=9642, Electron tunneling from a superconductor Nakajima, S. 5=12661, Superconductivity of Falicov—Cohen model +Nakajima, Y. 5=5634, P^{29} states from S^{32} (p, α) P^{29} Nakajima, Y. + 5=14655, Structure of organic compounds +Nakakado, T. 5=10911, Li-drifted Si detectors +Nakamae, K. 5=12534, Elastic moduli of polymers +Nakamura, H. 5=2458, Theory of weak interactions Nakamura, K. 5=10800, Spontaneous breakdown solutions +Nakamura, M. 5=8919, N_2 afterglow absorption Nakamura, M. 5=10875, Theory of vector mesons Nakamura, M. + 5=14345, Pulse-height-recording Nakamura, S. + 5=2679, Leptonic decay of hyperons Nakamura, S. + 5=10842, Super-weak boson- ν coupling Nakamura, T. + 5=7134, Mössbauer effect in α -Fe $_2$ O $_3$ Nakamura, T. + 5=9202, Mössbauer effect of 57 Fe +Nakamura, T. 5=11295, Deuterons from irradiated C +Nakamura, Y. 5=7134, Mössbauer effect in α -Fe₂O₃ Nakamura, Y. 5=11845, Transition liquid layer waves Nakanishi, N. 5=482, Perturbation-theoretical integral.III Nakanishi, N. 5=5226, Asymptotic forward scattering Nakanishi, N. 5=10856, Goldstein's Bethe-Salpeter equation Nakano, H. + 5=2269, Theory of spin relaxation +Nakano, Y. 5=3107, Stabilising of positive column Nakao, F. 5=2877, Temperature and mass spectra +Nakao, Y. 5=9642, Electron tunneling from a superconductor Nakatani, H. + 5=7937, Electrode materials for m.h.d. generation +Nakatani, H. 5=11076, Four-momentum transfer

Nagasawa, M. + 5=14980, Growth of SnO₂ single crystals

+Nagasawa, S. 5=15686, S. W. F. association with flares

+Nakayama, M. 5=4256, Spin-lattice relaxation in Si Nakayama, M. 5=9595, Band structure of semiconductors +Nakayama, M. 5=9692, GaAs-Ge junction +Nakayama, M. 5=15254, Cyclotron resonance in Si. II +Nakatani, N. 5=3809, Strain measurement by diffraction +Nakayama, N. 5=3475, Transition of strontium olivine Nakayama, T. + 5=2896, Level shifts in H plasma +Nakayama, Y. 5=10911, Li-drifted Si detectors +Nakazawa, S. 5=6592, Impurity diffusion in Si +Nakazumi, Y. 5=7180, Magnetic anisotropy of CoO Nakhmanson, R.S. 5=6913, Theory of surface capacitance Namba, S. + 5=4698, Laser and e-beam processing +Nambu, Y. 5=10806, Broken symmetry schemes +Nambu, Y. 5=11055, Axial vector mesons Namias, V. + 5=14271, Decays of intermediate boson +Namiki, M. 5=2700, Cosmic ray jets +Namiki, M. 5=10826, Structure of baryons and mesons Namiki, M. 5=10864, Collisions at very high energies Namioka, T. 5=949, Absorption spectra of H2. II. Namyslowski, J. 5=394, Spinor transformation Namyslowski, J. 5=7778, Dirac equation in general relativity Nan, S. + 5=6560, Thermal expansion of Ge, Si, InSb, GaAs Nanda, V.S. + 5=1171, Tait equation parameters Nanda, V.S. + 5=3310, Polymer liquids and glasses Nanda, V.S. + 5=6149, Polymer and oligomer liquids Nanda, V.S. + 5=10405, Thermodynamics of He3 and He4 solutions. III +Nanev, K. 5=1711, Photoemission of caesium-rubidium-antimonide +Nani, R. Kh. 5=9666, Electrical conductivity of semiconductors +Nanis, L. 5=3325, Diffusion of Na²² in NaNO₂ +Nanis, L. 5=9114, AlCl₂. K[Na]Cl Raman spectra +Nanni, L. F. 5=3603, X-ray lattice measurements Nannichi, Y. 5=8060, Threshold current of GaAs laser +Napier, D. H. 5=4790, Silica windows for shock tubes +Napier, J. G. 5=12400, Image overlap in electron microscopy Napolitano, A. + 5=3318, Viscosity of glass
Napolitano, E. + 5=11309, Nuclear direct electrodisintegration +Naqib, I. M. 5=11313, Li7 proton scattering Naqvi, A.M. 5=2893, Screened hydrogenic wave functions Naqvi, J. H. 5=562, Nuclear potential +Narahari Rao, K. 5=318, $C_2N_2 + N_2O$ flame +Narahari Rao, K. 5=5864, Analysis of ν_2 of H_2Te +Narasa Raju, T.S.B. 5=4167 K₂ Tc[Re] (halogen), magnetism Narasima, R. + 5=9031, Free molecule orifice flow Narasimha Murty, V. A. + 5=8620, Scattering of 1.12 MeV gamma +Narasimha Rao, D. V. G. L. 5=9199, N. Q. R. in chrysoberyl Narasimhamurthy, A. + 5=1224, Electric field in CuSO₄:5H₂O +Narath, A. 5=1575, Conduction band of NaxWO3 Narath, A. 5=1768, Antiferromagnetism in CoCl₂.2H₂O. I. Narath, A. 5=15474, Magnetization of CoCl₂. 2H₂O and CoBr₂. 2H₂O Narath, A. 5=7179, CoBr₂[Cl₂]2H₂O metamagnetism Narath, A. + 5=7182, Sublattice magnetization of $CrCl_3$ Narayan, D. S. 5=5387, Single π production in p + N Narayana Rao, G. L. + 5=15740, E-region drift speeds Narayanaswamy, P. + 5=5405, Calculation of π -N scattering Narayanaswamy, P. + 5=14409, Calculation of N form factors +Nardelli, G.C. 5=2808, p-Scattering by O 16 +Nardelli, G.C. 5=5346, Polarization in p $-\alpha$ scattering +Nardelli, G. C. 5=5615, Polarization in p-C12 scattering +Nardelli, G. F. 5=6237, H radius in alkali halide crystals +Nardelli, G. F. 5=15036, Impurities in alkali-halide crystals +Nardone, L. J. 5=7513, Day-time aurora Nariai, H. 5=4529, Time-scale in steady-state universe Nariai, H. 5=13707, Gravito-C-field in an empty region +Narita, K. 5=13010, N. M. R. in VO₂ Narita, S. + 5=9924, Optical properties of zinc sulfide Narita, T. + 5=599. * ρ -exchange for π + N \rightarrow N* + ω +Narjoux, J. L. 5=14541, π -nuclear scattering +Narlikar, J. V. 5=44, Gravitation of particle fields +Narlikar, J.V. 5=45, New theory of gravitation +Narlikar, J.V. 5=4528, C-field as direct particle field +Narlikar, J. V. 5=4536, Radiation near massive bodies +Narlikar, J. V. 5=4554, E.M. waves from dense stars Narozhnyii, N.B. + 5=392, Quantum processes in polarized e.m. Narten, A. 5=10006, Light and heavy water Nash, C. P. + 5=14688, Electrical properties of exploded conductors +Nash, D. 5=4629, Lunar X-ray diffraction experiment

+Nash, W. F. 5=11175, Muon flux at various angles +Nash, W. F. 5=11176, Muons at large angles +Nash, W. F. 5=14359, Spark chambers +Nashel'skii, A. Ya. 5=12110, GaP grown in vapour +Nashlenas, E. P. 5=5154, Clebsch-Gordan coefficients Nasiłowski, J. 5=13932, Disintegration of wires +Nasledov, D. N. 5=3901, Carrier lifetime in GaAs p-n junctions +Nasledov, D. N. 5=6936, Impurity zone in n-InP crystals Nasledov, D. N. + 5=12731, n-GaP electric, photoelectric properties +Nasledov, D. N. 5=12814, Thermo-e. m. f. in p-ZnSnAs₂ +Nasledov, D.N. 5=12827, Photomagnetic effect GaAs +Nasledov, D. N. 5=12830, P-N junctions in InSb +Nasledov, D. N. 5=15215, Electron scattering in InSb +Nasledov, D. N. 5=15216, Lifetime of carriers in n+InSb +Nasledov, D. N. 5=15361, Electrical properties of GaAs diodes +Naslenas, E. 5=14566, One electron outside shell Nassau, K. 5=10588, Lasers and laser materials Nassau, K. + 5=12234, Rare-earth tungstates of type M₂(WO₄), +Nassef, M. H. 5=8670, The F¹⁹(d, α)O¹⁷ reaction Nassibian, A. G. + 5=3723, SiO2 masking against P diffusion Nasu, S. 5=3571, Sintering of UO2 Nasu, S. + 5=14901, Fe⁵⁷ Mössbauer effect in UO₂ +Natali, S. 5=8470, u polarization from K*, decay Nath, A. + 5=777, Scattering cross sections of gamma rays Nath, A. 5=10982, Coherent scattering of gamma rays Nath, A. K. + 5=4722, Nonlinear analogue multiplier +Nath, A. K. 5=4880, Response of nonlinear circuit elements Nath, G. 5=10316, Hypersonic flow past a sphere Nath, L. M. 5=400, Interactions of charged vector mesons +Nath, N. G. 5=4722, Nonlinear analogue multiplier Nath, N. G. + 5=4880, Response of nonlinear circuit elements Nath, P. + 5=8262, Uncoupled-phase in multichannel N/D Nath, R. + 5=11124, p-wave Λ-π phase shifts +Nathan, A. Z. 5=1938, β -activity in the atmosphere Nathan, J. + 5=353, Recognition of road traffic light +Nathan, M.I. 5=4348, Light emission from p-n junctions +Nathan, M. I. 5=8059, Effect of temperature on GaAs lasers Nathan, M. I. + 5=13049, GaAs injection laser Nathans, R. + 5=4198, Neutron study of hematite +Nathans, R. 5=7135, Spin density in α-Fe₂O₃ +Nathans, R. 5=7192, Magnetic structure of binary fluorides Nauenberg, M. 5=2433, EM mass splittings +Nauenberg, M. 5=2668, New vector boson +Nauenberg, U. 5=11125, Σ-Λ relative parity +Nauman, E. B. 5=13990, Thermocouple circuit for calorimetry Naumann, R.J. 5=4524, Torques on explorer XI Naumov, A.I. 5=438, Fermion mass Naumov, A. N. 5=15078, Li diffusion in Na Naumovets, A. G. 5=14975, Growth of Li crystals Nava Jaimes, A. C. 5=5281, Simplified anticoincidence circuit Navaratnarajah, V. 5=15136, Detecting microcracking in concrete +Navarro, V.C.A. 5=2723, Nuclear quadrupole vibrations Nawijn, A. 5=10664, Contrast transfer +Nazarenko, P. V. 5=9571, Frictional forces and dislocation +Nazarenko, P. V. 5=15165, Friction of crystalline bodies +Nazarenko, V. A. 5=5571, Longitudinal polarization of β -rays +Nazarenko, V. A. 5=14496, β -decay of P^{02} , In^{114} , Pr^{142} , Ho^{166} and Re188 Nazarov, A. S. + 5=11825, Ti, Cr getter—ion pump +Nazarova, M. P. 5=12098, Growth of sapphire crystals Naze, J. + 5=7850, Interaction of two sound beams Naze, J. 5=14737, Plasma e. m. wave propagation Neal, W. R. + 5=11245, Excited rotational states of nuclei +Neale, W. 5=5298, Search for fractionally charged particles +Neale, W. W. 5=14383, Observation of beam profiles Neasday, D. F. + 5=8539, Electric dipole resonance of C13 and N13 Nebauer, E. + 5=15307, Non-monotomic I—V characteristics Nebe, W. 5=5086, Detection of diffraction gradients +Nechaev, Yu. A. 5=8711, High temperature reactor Nechtschein, M. 5=8877, E. P. R. in conjugated polymers Neckel, A. + 5=14894, Madelung energy of ionic crystals Neckenbürger, E. 5=1784, Microwave generation in ferrites Neckenbürger, E. + 5=12942, Ferrites of hexagonal structure Nédélec, O. + 5=11451, Zeeman coherence Nedlin, G. M. 5=15429, Magnetic structures of crystals +Nedvetskaite, T. 5=7499, Air radioactivity Nedyukha, I. M. + 5=6747, Elastic properties of niobium +Nedzvedskii, D. S. 5=13114, Luminescence of GaP +Nee, T. W. 5=14612, He excitation energy transfer Neeb, K. H. 5=11259, High activity Na²⁴ Neel, J. C. + 5=12688, Tl superconducting energy gap Néel, L. + 5=4212, Rare earth garnets +Neelakantan, K. A. 5=11151, Cosmic-ray H and He modulation

Nash, W. B. 5=5038, Measurement of optical energy

Nash, G. F. 5=2738, Excited states of O16

Neelakantan, P. 5=11549, Raman spectrum of acetonitrile

```
+Neelakantan, P. 5=15574, Raman spectra of double sulphates. I
+Neeland, J. K. 5=14166, Continuous ruby laser
+Ne'eman, Y. 5=5204, Current-generated algebras
Ne'eman, Y. 5=14254, Embedded space-time and particle
     symmetries
Ne'eman, Y. 5=14258, Derivation of SU(6) symmetry +Ne'eman, Y. [Ed.]. 5=5179, Eightfold way
Neff, H. 5=4427, Electronmicroscope specimen X-ray analysis
Neff, V. D. 5=5828, Force constants and frequencies of ions
+Nefkens, B. M. K. 5=4144, Photomultiplier gating system
+Nefkens, B. M. K. 5=8469, CP nonconservation in K<sup>2</sup><sub>2</sub> decays
+Negreskyl, V. V. 5=12497, GaP mechanical properties
 +Negri, P. 5=2655, \pi^- Interactions on nuclei
 +Negus, P. J. 5=14439, N* resonances
Neher, H. V. 5=2001, Millikan-teacher and friend
Neher, H. V. + 5=11160, Cosmic-ray intensity at Thule
Neher, H. V. + 5=13676, Cosmic-ray intensity
Nehrich, R. B. + 5=5025, Laser action in europium chelates
 +Nehrich, R. B. 5=10610, Eu-chelates solution lasers
+Nehrich, R.B., Jr. 5=284, Laser in europium dibenzoilmethide
+Neidigh, R. V. 5=8964, Burnout observations in plasmas
+Neidigh, R. V. 5=8994, Plasma experiments
+Neidigh, R. V. 5=9003, Stroboscopic shutter for plasma
       oscillations
 +Neidigh, R. V. 5=1129, Beam-plasma interaction
 +Neigaus, M. G. 5=7462, Love waves and upper mantle
+Neigaus, M. G. 5=13198, Spectra of Love waves
Neil, V. K. + 5=14373, Instabilities in particle accelerators
 +Neil, V. K. 5=14374, Instabilities in particle accelerators
 +Neiler, J. H. 5=8698, Fission fragment energy experiments
 Neill, T. B. M. 5=10497, Planar triode
+Neilson, G. C. 5=8589, C<sup>12</sup> α-breakup
 +Neilson, J. M. S. 5=6977, Rating system for silicon rectifiers
 +Neklyudov, I. M. 5=12561, Zn creep and thermal stability
+Nekrasov, A. N. 5=11822, Problems of pressures <10<sup>-8</sup> torr
 Nelipa, N. F. 5=8448, Pion photoproduction
 +Nelipa, N. F. 5=10979, Compton scattering on proton
+Nelkowski, H. 5=12057, ZnS evaporated layers
 +Nellen, B. 5=8450, Exchange in \pi^+ p \rightarrow p \pi^+\pi^0 at 4 GeV/c
 +Nelms, G. L. 5=13546, Equatorial ionosphere anomaly
 Nelson, C. G. + 5=7970, Klystron efficiency
 Nelson, D. F. + 5=7338, Light modulation in GaP junctions
Nelson, D. F. + 5=9960, R lines of ruby
 Nelson, E. 5=448, Quantized scalar field
 +Nelson, F. 5=11874, Diffusion in liquids by porous-frit
 Nelson, F. A. + 5=8028, N.M.R. spectroscopy
 +Nelson, H. 5=5012, Threshold current in GaAs lasers
 Nelson, H. + 5=14160, GaAs injection laser
Nelson, J. B. + 5=834, Deuteron capture in C1* +Nelson, J. B. 5=11358, Al27(d, \alpha) and F19(d, \alpha) and 21 + 1 rule
 Nelson, J. O. + 5=6281, Effect of stress on allotropy of Co
 Nelson, J. W. + 5=8544, Energy level structure of Sc4
 Nelson, P. 5=8039, Multi-photon processes
 Nelson, P. + 5=8926, Air breakdown by lasers
 +Nelson, P. 5=9046, Air absorption of laser beam
 +Nelson, P. 5=13216, Earth's deep resistivity
 Nelson, R. A. 5=7831, Fast luminous fronts
 Nelson, R. D., Jr. + 5=1203, Absorption and structure in liquids, LIX Nelson, R. S. + 5=9307, Holes in solids
 Nelson, R. S. 5=9502, Thermal spikes by sputtering
 Nelson, R. S. 5=12347, Migration of point defects
Nelson, T. M. 5=2361, Talbot-Plateau law
 +Nelson, W. R. 5=14509, Shielding studies in steel, II
 Nemarich, J. 5=4227, Magnetostatic-mode relaxation
 Nemchenok, R. L. + 5=12843, Photo- and ther moemission of Cu-Ba
 +Nemec, J. 5=8629, Proton polarization angular distribution
 +Nemeth, J. 5=10294, Pressure in fermion gas
 Nemets, O. F. + 5=10904, Scintillation spectrometer
 +Nemichi, F. 5=15638, Extrapolation of polar motion
 Nemilov, S. V. 5=11868, Flow and bonds in glasses
 +Nemilov, Yu.A. 5=826, Scattering of deuterons on Ni and Zn
 +Nemnonov, S A. 5=15231, Cr compound electronic structure
 +Nemoto, C. 5=7528, Structure and movement of Es
Nemoto, M. + 5=12384, Dislocation nodes in Al-5.5%Ag
 Nemoto, T. 5=14111, Impedance measuring
Nemtsov, V. D. 5=12035, Si surface perfection
 +Nenno, S. 5=1466, Structure of aluminium
 Nentwich, G. 5=3974, Righi-Leduc anomaly in Ni and Ni-Cu
 Neppiras, E. A. 5=10328, Power handling of u.s. transducers
 Nerem, R. M. + 5=10356, Radiative transfer gage
 Neretina, N. A. 5=5949, Anode current density in Hg arc
```

```
+Nerodenko, L. M. 5=6627, Imperfection motion in alloys
+Neronova, N. N. 5=1292, Shubnikov antisymmetry groups
+Neronov, Yu. I. 5=14134, Pulse generator
Nerurkar, N. + 5=11142, Primary cosmic-ray variations
Nesbitt, E. A. + 5=1763, Square-loop polycrystalline garnets
Nesgovorov, L. Ya. 5=15620. Metal burning in air flow
Neshpor, V.S. + 5=1691, Thermoelectricity of transition metal
    compounds
Neshpor, V.S. + 5=3439, Structure of MoSi.-ReSi.
Nesis, E.I. 5=14884, Cause of noise in boiling
+Nesmeyanova, G. M. 5=7428, Uranium oxidation by Fe(111) ions
Ness, N. F. + 5=7648, Origin of interplanetary magnetic field
Ness, N. F. + 5=15866, Imp 1 magnetic field experiment
Nester, J. F. + 5=14981. Preparation of intermetallic compounds
Nesterenko, B. O. + 5=12831, Photoconductivity and noise of
     PhS lavers
Nesterenko, P. S. 5=12806, Photoelectret state in CdS
+Nesterenko, V. I. 5=12237, Ferroelectric ceramic VK-3
Nestorov, G. + 5=1949, Ionospheric D-region
+Nestorov, G. 5=1950, Electron-density in D-region
Nestorov, G. + 5=1951, Ionization of the E-layer
Nestorov, G. + 5=4496. Electron density in D-region
+Nesterov, V. E. 5=10102. Radiation dose aboard spaceships
+Nesterov, V.E. 5=1145, Soft radiation in equatorial region
+Nesterov, V.E. 5=13347, Radiation at 200-400 Km
Nesterov, V.G. + 5=857, Products of fission of U235 and Pu239
+Nesterov, V.S. 5=13954, Acoustical parameters of membrane
+Nesterova, N. V. 5=6745, Cavitation damage in molten Pb
+Nesterikhin, Yu. E. 5=1089, Shock waves in plasma
+Netesov, G. B. 5=15372, Dielectric constant
+Nettel, S. 5=11957, Crystals at high temperatures
+Netter, F. 5=11329, Co resonance parameters for n
Nettleton, R. E. 5=6682, Creep in polycrystals
Neudatchin, V. G. + 5=5610, Majorana forces in 1d—2s shell nuclei
+Neudatchin, V. G. 5=5675, Nucleon cluster reactions
+Neuert, H. 5=1067, Ion formation in PH3, AsH3 and SiH4
Neufeld, J. + 5=2251, Generation of whistler waves
Neufeld, J. + 5=11756, Plasma—electron beam interactions
Neugebauer, C.A. 5=3506, Films of niobium tin by deposition
+Neugebauer, C. A. 5=9651, Critical temperature of Ni and Ta
+Neugebauer, F. A. 5=14866, E.S.R. of diaryl nitric oxides
Neugebauer, H. E. J. 5=297, Light from a blackbody radiator
Neugebauer, J. + 5=6266, Sintering of tungsten rods
Neuhaus, H. + 5=961, Spectrum of PtH and PtD
+Neuhaus, H. 5=14636, Zeeman effect in AlH
+Neuhaus, H. 5=14777, Plasma waveguide
+Neuhausen, R. 5=2209, Magnetic field measurement
+Neuhausen, R. 5=2229, Image characteristics of spectrometers
 +Neumann, E. 5=9979, Electroluminescence at liquid He
     temperatures
Neumann, E. G. 5=14101, Reflection of electromagnetic waves +Neumann, K. K. 5=3123, Thermodynamics of air Neumann, K. K. + 5=8965, Plasma near free path
 +Neumann, M. 5=5283, Wire chamber - computer system
+Neumann, M. J. 5=8312, Digitized spark chamber
Neumark, G. F. 5=3910, Rectangular-well potential
 +Neun, M. E. 5=5117, Hue-shift in colour vision
 +Neupert, W. M. 5=13040, Calibration and use of X-ray source
 +Neupert, W. M. 5=13245, EUV radiation and thermospheric
     temperature
Neuringer, J. L. + 5=4941, Ferrohydrodynamics
Neuringer, L. J. + 5=15040, Ultrasonic behavior of Nb-25% +Neustroev, V. D. 5=10937, Bubble chamber photographs
 +Neveu-René, M. 5=11074, Single pion production
 +Neveu-René, N. 5=11081, The \pi^- p \rightarrow N_{33}^{*++} \pi^- \pi^- reaction
Newberry, C. W. 5=2097, Sonic boom and effect on buildings
+Newbolt, W. B. 5=2773, Positron spectrum of Na<sup>22</sup>
Newby, N. D. Jr. 5=13695, Proof of conjecture of Kopal
+Newdick, R. E. 5=15880, 27 day solar protons
Newell, J. A. 5=2123, Radiation pressure balance
Newell, R. E. 5=4459, Circulation of upper atmosphere
Newell, R. E. 5=10047, 26-month atmospheric oscillations
Newkirk, G., Jr. 5=7652, Solar optics
 Newkirk, G.,Jr. + 5=13777, Corona from balloon
Newkirk, L. L. + 5=13410, Geomagnetically trapped particles
Newland, D. E. 5=13897, Theory of non-linear vibrations
+Newman, E. 5=2784, Eu<sup>148</sup> alpha emitter
Newman, R. C. 5=3503, Films of germanium and silicon
Newman, R. C. + 5=13041, Absorption of C in Si
+Newnham, F.E. 5=4216, Properties of chromium chrysoberyl
 +Newson, H. W. 5=5632, s-, p- and d- wave neutron function
 +Newth, J. A. 5=14383, Observation of beam profiles
```

```
Newton, C. J. 5=6693, Residual strains in aluminum
Newton, G. + 5=13355, Atmospheric densities from Explorer 17
+Newton, M. D. 5=11496, Extended Hückel and Hartree-Fock
+Ney, E. P. 5=13357, Photographic observations in airglow +Nezami, M. 5=15646, Pb^{210} in Antarctic
      theories
+Nezbeda, C.W. 5=203, High sensitivity susceptibility apparatus
+Ng, D. K. W. 5=2982, Spectra induced by H<sup>+</sup> impact on O<sub>2</sub>
+Ng-Yelim, J. 5=2339, Determination of crystal orientation +Nguyen, D. C. 5=2814, Be^{\circ} and B^{10,11} (p, \alpha) and (d, \alpha) Nguyen-Hoe + 5=8741, The Lyman-\alpha line of H
+Nguyen-Huu-Khanh. 5=603, \pi'd interactions at 4,5 GeV/c+Nguyen-huu Xuong. 5=600, \rho-exchange in \pi^*+ p^{\rightarrow} N_{\circ}***++Nguyen-Khac, U. 5=5425, Upper limit for \omega^{\circ} ^{\rightarrow} e^{+}+ e^{-}
+Nguyen-Kliac, U. 5=8484, Beta decay of \Sigma^{\pm}-hyperons
Nguyen-Nghi. + 5=12879, UF_3 and \beta-UF_5 susceptibility Nguyen-Ngoc, H. + 5=2805, Be^9 Quasielastic spectrum +Nibler, F. 5=12749, Resistance of intrinsic Si
 +Niblett, G. B. F. 5=14749, Plasma drift in thetatron
+Nicholas, K. H. 5=1562, Photochemical effects in CdS crystals
 +Nicholls, J. M. 5=1057, Ionization in H
Nicholls, R.W. 5=2978, Franck-Condon factors IV: No bands
Nicholls, R. W. 5=5818, R centroid and band frequency
Nicholls, R. W. 5=8795, Interpolation of Franck—Condon factors Nicholls, R. W. 5=11514, Frank—Condon factors of \rm N_2
 +Nichols, D. K. 5=3791, Recoil Ge and Si atoms
Nichols, H. + 5=12274, Sn dispersion relations
Nichols, L. W. + 5=8108, Performance of interference filters
+Nichols, M. H. 5=13352, Upper air neutral composition Nichols R. A. + 5=10304, Convective diffusion
Nicholson, J. B. + 5=5126, Diffraction of ultra-soft X-rays
+Nicholson, J. E. 5=6273, Precipitation in Al-Ag alloys
Nicholson, K. P. + 5=8438, Time dependent spectra
+Nicholson, R. B. 5=12097, Al—Zn—Mg precipitate nucleation
 +Nickel, J.C. 5=1120, Oscillations in hot plasma
Nickerson, J.W. + 5=12039, Sputtering for film deposition
+Nickle, N. 5=4629, Lunar X-ray diffraction experiment
Nicklow, R. M. + 5=12199, X-ray diffraction in Cu
Nickols, D. G. + 5=8149, Kubelka and Munk coefficients
Nicolau, F. M. + 5=5606, Time description of reaction
Nicolet, M. 5=11404, Atomic, molecular reactions and photo-
      chemistry
Nicoletti, M. Bittini-Ivan. See Bittini-Ivan Nicoletti, M.
Nicolis, G. 5=10298, Generalisation of Boltzmann equation
Nicolson, M. 5=13801, Resource letter on science and literature
+Nicora, C. 5=3092, Molecular conformation in polymers
+Nicula, A. 5=1803, E.S.R. of Mr(II) ion in zeolites Nicula, A. + 5=15495, E. P. R. of Cu ions in crystals
+Niculescu, D. 5=3443, ZnTe-HgTe
+Nidey, R. A. 5=13366, Daytime airglow
Nieberlein, V. A. 5=15189, Tungsten coatings on graphite Nieder, P. C. + 5=7861, Central periodicity pitch
+Niedrig, H. 5=2222, Transparency of films to electrons
+Niedrig, H. 5=6827, Film electron transparency
Nieh, H. T. 5=8227, Nonleptonic decays
+Nielsen, A. 5=8435, Crystal filters for n and y attenuation
Nielsen, A. H. 5=313, Spectral lines and shifts
+Nielsen, A. H. 5=8867, I. R. spectrum of methyl chloride
+Nielsen, H. H. 5=5864, Analysis of \nu_2 of H<sub>2</sub>Te +Nielsen, H. L. 5=8571, Preparation of beta-spectroscopy
+Nielsen, H. L. 5=14485, Gamma-ray spectroscopy
+Nielsen, K.O. 5=3784, Extinction of (p,\gamma) in crystals +Nielsen, J.R. 5=1865, Spectrum of polytetrafluoroethylene
+Nielsen, J. R. 5=8863, Pb-alkyls vibrational spectra
Nielsen, T. H. + 5=1427, Thermal expansion of \rm Y_2O_3 +Nielsen, T. H. 5=3886, Mechanical properties of ZrC to 2600°C
Nier, A.O. + 5=13321, Composition of the atmosphere
Nier, A.O. + 5=13330, Constituents of upper atmosphere
+Nierenberg, W. A. 5=11197, Magnetic moments of Au<sup>194,195,196</sup>
Nieschamidt, E.B. + 5=728, Nuclear transitions in Cs133
+Nieschmidt, E.B. 5=2755, Au<sup>197</sup> nuclear transitions
Niese, H. 5=10338, Loud arbitrary noises
+Nieuinpoort, W. C. 5=4997, Feasibility of "flamelasers"
+Nifenecker, H. 5=5533, \gamma-\gamma cascades in Mn<sup>5</sup>
Nifenecker, H. 5=5697, Fission cross-section of uranium-233
+Nifenecker, H. 5=5721, Hoogenboom method for \gamma-\gamma cascades
+Nifenecker, H. 5=8563, \gamma-\gamma cascades in Hg<sup>200</sup>+Nifenecker, H. 5=14393, Detection of \gamma-rays
Nigam, A.N. 5=2883, Screening in light elements
+Nigam, A.N. 5=2894, Field theory in X-ray spectra
Nigam, R. C. 5=13656, Satellite acceleration
Nigh, H.E. + 5=4165, Gd-Sc magnetic properties
```

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+Nihoul, J. 5=15177, Recovery in Nb
+Niizeki, N. 5=1362, Bi<sub>2</sub>O<sub>2</sub>-Fe<sub>2</sub>O<sub>2</sub> system
+Niki, H. 5=10010, Acetylene—oxygen reaction
Nikiforov, A.S. 5=13901, Radiation from plate
+Nikiforov, N.A. 5=2609, p-p elastic scattering
+Nikishov, A.I. 5=392, Quantum processes in polarized e.m. wave
Nikishov, A.I. + 5=560, Compton scattering
Nikitin, A. A. 5=2892, Lower levels of atoms
+Nikitin, A. I. 5=11471, Determining relaxation rates
+Nikitina, A. N. 5=14855, Photoelectric fluorometer
+Nikitin, A. V. 5=2560, Isobar state systems and decay modes
Nikitin, A. V. + 5=6487, Crystal structure of Na<sub>2</sub>O. TiO<sub>2</sub>. SiO<sub>2</sub>
+Nikitin, A. V. 5=8482, \Lambda by isobars in \pi-p interactions
+Nikitin, E. E. 5=884, Nonadiabatic transition
+Nikitin, L. P. 5=11966, Internal magnetic fields of W, Ru in Fe
+Nikitin, N.A. 5=3387, Sedimentation in an ultracentrifuge
+Nikitin, S.A. 5=7153, Magnetism of rare-earth metals
+Nikitin, V. 5=8410, p-p scattering from 2 to 10 GeV
+Nikitin, V. N. 5=13087, Polypropylene Ramam spectrum
Nikitina, A. N. + 5=1192, Spectra of organic B compounds
Nikitina, A. N. + 5=9131, Fluorescence of solution of polyenes
+Nikitina, N.V. 5=1479, Suzuki atomspheres in solid solutions
Nikitina, G. V. + 5=14966, Vibrating crystals pulled from melt
+Nikitina, T. N. 5=9805, Properties of permalloy films
+Nikitina, V. N. 5=14118, Grounded electric dipole
+Nikitine, S. 5=6645, Defect aggregate dimensions
Nikitine, S. + 5=9946, Luminescence of CuCl at low temperatures
+Nikityuk, L. N. 5=5587, Decay of Nd isotopes
+Nikliborc, J. 5=12125, W crystal growth
Nikliborc, J. + 5=15079, Ge and Si surface diffusion
Niklowitz, K. H. 5-4742, Relativistics and electrodynamics
+Nikolaenko, G. M. 5=10747, X-ray tube for structure
     analysis
+Nikolaenko, G. M. 5=10748, Sharp focused X-ray tube
+Nikolaev, A. N. 5=5364, Fast neutrons in sodium
+Nikolaev, M. N. 5=5706, Neutron propagation in UC
+Nikolaev, M. N. 5=8712, Fast reactor with Th screen
+Nikolaichuk, L. I. 5=2234, Li ions in condensed targets
+Nikolaichuk, L. I. 5=10907, Ions and scintillation counters
+Nikolic, M. 5=2655, \pi^- Interactions on nuclei
Nikolayev, V. V. 5=12447, Dislocations in internal friction
+Nikolenko, V. G. 5=5356, n polarization by polarized p's
+Nikolic, M. 5=5321, Neutrino interactions
+Nikolić, M. 5=11120, \beta-Cecay of A
+Nikolic, P. 5=9228, GeTe-PbTe alloys
+Nikolov, K. 5=4334, Polyethylene i.r. spectra
+Nikonova, E. I. 5=902, Spectrum of Fe
+Nikonova, M. P. 5=4347, Quenching of Eu luminescence
+Nikol'skii, B.A. 5=2663, Neutral K mesons
+Nikol'skii, B.A. 5=2701, Secondaries in cosmic rays
+Nikol'skii, G. A. 5=1922, Earth system radiation balance
Nikolskii, G. M. 5=13770, Fine structure of chromosphere
+Nikol'skii, I. K. 5=11703, Plasmoid spectroscopy
+Nikolskii, V. K. 5=15564, E. P. R. in Ni-activated crystals
+Nikulesku, D. 5=12113, Growth of HgSe and HgTe crystals
Nilan, T. G. + 5=9508, Stored-energy release in Cu
+Nilan, T. G. 5=9509, Annealing in irradiated Cu
Niles, F. E. + 5=1029, Intensity in He afterglow
Nillson, J. 5=5302, Particle streaming in Ducts
+Nilsen, W. G. 5=1787, Magnetoelastic waves in lithium ferrite
+Nilsson, J. 5=8223, Internal and space-time symmetries
+Nilsson, S. 5=5337, p + p jets with strange particles
Nimeroff, I. 5=346, Tristimulus values
Nimeroff, I. + 5=8178, Degree of metamerism
Ninomiya, T. + 5=3757, Dislocations in semiconductors
Nisenoff, M. + 5=12936, Spin wave spectra in Permalloy
 +Nishi, Y = 5=15093, Impurities in silicon films
Nishida, A. + 5=13337, Impulses in magnetosphere
Nishida, A. 5=13447, Ionospheric screening effect
Nishida, A. 5=13610, Irregular magnetic micropulsations
+Nishida, M. 5=4555, \nu Pair emission from nuclei Nishida, M. + 5=10168, Stratospheric rotation of Jupiter
Nishijima, T. + 5=15063, Thermal conductivity of UO_2 and Al_2O_3
 +Nishikawa, K. 5=11076, Four-momentum transfer
Nishikawa, O. + 5=231, Field ion microscope
+Nishikawa, Τ. 5=2801, π From C nuclei
  +Nishimura, H. 5=955, Excitation cross section of N_2^*
 +Nishinaga, T. 5=14974, Transport in closed tube process
Nishiu, S. + 5=10911, Li-drifted Si detectors
Nishiyama, T. 5=3197, Phonon damping in plasmas
+Nishiyama, Z. 5=6289, Martensite transformation of Cu-Al
Nishizawa, J. 5=12770, Esaki diode principles
```

Nisida, Y. 5=12976, Paramagnetic relaxation of Cr

+Nistor, N. 5=3443, ZnTe-HgTe +Nistor, N. 5=3543, Cleavage in HgSe and HgTe Nită, M. M. 5=13648, Stationary orbital spacecraft +Nitc, W. 5=3619, Neutron crystal investigations +Nitochkina, E. V. 5=5318, Semiconductor pulse X-ray detectors +Nitsche, R. 5=7396, HgGa,Sa, a new phosphor Nitts, V. V. + 5=12186, Structure investigation by neutron diffraction +Niu, K. 5=8498, Momentum transfer in cosmic ray jets +Niu, K. 5=11076, Four-momentum transfer +Niwa, H. 5=10954, Particle trajectories in acceleration tubes Nix, W.D. + 5=4190, Magnetic history in Fe +Nixon, E. F. 5=3654, Structure of triethylenediamine Nixon, J. D. + 5=2207, Magnetic moment in spinning rotors Nixon, J. D. + 5=7958, Damping for suspended rotor +Nixon, W. C. 5=7963, Scanning electron microscopy Nixon, W. C. 5=15350, Electron beam microminiaturization +Nizuma, H. 5=12774, Esaki diode characteristics +Noack, C. 5=8199, Unitary symmetry of oscillators +Noack, F. 5=4980, N. m. r. and two-spin correlation +Noack, F. 5=8027, N.M.R. in two-spin systems +Noack, F. 5=9160, p and d relaxation in paramagnetic solutions +Noack, F. 5=9163, Nuclear spin relaxation in benzene +Noack, F. 5=11596, Radical proton relaxation +Noake, H. 5=1271, Precipitation of zirconia in ceramics +Noblet, A. + 5=12(1), Precipitation of Intenda in Certaintee Noblet, A. + 5=13843, Negative mechanical birefringence +Nobusawa, T. 5=6650, Coloration of Na-silicate glass +Nobusawa, T. 5=15109, Multi-colors in glass plate +Noci, G. 5=7654, Solar brightness at 3 cm Noda, T. + 5=6290, Graphitization of carbon +Noel, J. P. 5=502, Solid detectors Noer, R. J. 5=1819, Magnetic properties of Ti-V alloys Noerdlinger, P. D. 5=13554, Wave generation in magnetosphere Nogami, M. + 5=1598, Hall effect in manganese antimonide Nogami, Y. 5=784, Si $^{20}(\gamma, p)$ Al 21 and Si $^{22}(\gamma, \alpha)$ Mg 42 reactions Nogami, Y. 5=5445, Long-range Λ -N and Λ' - Λ potentials Nogami, Y. + 5=5486, Pairing interaction in nuclei +Nogami, Y. 5=5634, P^{29} states from S^{32} (p, α) P^{29} +Noguchi, T. 5=3475, Transition of strontium olivine Noguchi, T. 5=11938, Emissivity and freezing of metal oxide +Noimann, Kh. 5=12034, Surface migration of Mo Noimann, Kh. + 5=12331, Diffusion in rhenium +Nojima, K. 5=12727, Continuous oscillation in CdS +Noll, W. 5=9023, Erratum: linear viscoelasticity +Nolle, E. L. 5=13037, Recombination radiation from CdTe +Nolta, J. P. 5=189, Ferroelectric hysteresis tracer Nolta, J. P. + 5=9232, III-II transition of KNO₃ Nölting, J. 5=9385, Thermodynamics of AgI-Cul. I-II Nölting, J. 5=9387, Phase diagram of AgBr-CuBr +Nomofilov, E. V. 5=4850, Temperature pulsations in liquid +Nomura, M. 5=7150, ΔR effect in magnetic thin films Noonkester, V. R. 5=13495, E-layer variations +Norbeck, E. 5=5521, N¹⁷ energy levels +Norbeck, E. 5=5691, Li7(Li7, He6)Be8 reaction Norbeck, E. 5=10889, Computers for data acquisition Norberg, R. E. 5=12962, Resource letter n. m. r. -e. p. r. -I +Norbury, J. R. 5=2538, Expansion cloud chambers Nordhagen, R. 5=800, (p, a) angular distributions Nordhagen, R. + 5=804, Yields of Na²³ reactions Nordhagen, R. + 5=11223, Si²⁸ odd parity states Nordman, J. E. 5=12758, Population inversion in p-n junctions Nörenberg, W. 5=557, Field regulation of β -spectrometer Norgate, G. + 5=2523, Li-drifted radiation detectors +Norlen, G. 5=14600, CsI 6s, 6p and 6d levels +Norman, G. E. 5=5995, Energy radiated by equilibrium plasma.II Norman, G. E. 5=11700, N⁻ in air plasma spectrum +Norman, J. C. 5=11227, Isomer ratios for Y^{87,87m} Norman, J. H. + 5=9190, Vaporization of uranium dicarbide Norman, J. H. + 5=13152, Gaseous oxides of Ir +Norman, K. 5=7530, Sporadic-E ionization Norman, K. + 5=10092, Ion density in F-region Norman, R.O.C. 5=4979, Flow systems for e.s.r. spectroscopy Norman, V. J. + 5=10209, Calibration of weights Norris, L. R. + 5=723, (d, p) reactions on Sn¹¹⁷, Sn¹¹⁹ Norris, W. T. 5=2205, Cs diode energy converter North, J. C. + 5=9510, Length change of irradiated Ge +Northwood, T. D. 5=2115, Comparison of absorption measurements +Norton, D. G. 5=10183, "Double limb" in Ha Norton, R. B. + 5=13514, Daytime equatorial F-layer +Norwood, J. 5=3238, Coaxial plasma gun Norwood, M. H. + 5=15596, Luminescence in GaAs transistors Nosanow, L. H. 5=2181, Crystalline He 3 at $0^\circ K$

+Nosov, V. N. 5=3426, Photoelectrets Nossal, R. 5=10303, Measurement of transport quantities Nøst, B. 5=9464, Al dislocation densities Nottingham, W. B. + 5=8753, Energy levels of Cs +Novak, R. L. 5=6887, Current-carrying behavior of Nb₃Sn +Novak, S. 5=5400, Resonance production by π + p Novakov, T. + 5=5515, Mixed M1-E2 transitions Novice, M. A. 5=6754, Stresses in silicon monoxide films +Novick, G. 5=10645, Ruby laser oscillators +Novick, R. 5=5539, Spin and moments of Cd^{113m} +Novick, R. 5=10696, Light sources for spectroscopy +Novikov, A.G. 5=1461, Au doping addition distribution in Ge +Novikov, B. V. 5=12820, Photoconductivity of CdS +Novikov, B.V. 5=12821, Photoconductivity and luminescence in CdS +Novikov, D. L. 5=538, Single cavity p accelerator +Novikov, D. L. 5=10969, Single cavity accelerator for protons Novikov, E. A. 5=142, Fluid particles in turbulent flow Novikov, E. A. 5=6070, Turbulence theory Novikov, I. D. 5=7614. Delay of expansion and superstars +Novikov, I.D. 5=7615, Mass of a super-star +Novikov, L. N. 5=8516, N. M. R. of Hg²⁰¹ Novikov, N. N. 5=12493, Deconsolidation processes +Novikov, N. N. 5=15161. Photomechanical effect Novikov, S. A. + 5=112, Shock waves in iron and steel +Novikov, S. A. 5=13811, Recording instantaneous velocity Novikov, S. R. + 5=4113, Photoconductivity of irradiated Ge +Novikov, S. R. 5=6926, Properties of neutron-irradiated Ge Novikov, S. R. + 5=12828, Photoconductivity of irradiated Ge +Novikov, S. R. 5=15084, Defect levels in germanium Novikova, S.I. 5=1423, Thermal expansion of Si Novopavlovskii, V.S. 5=175, Errors in surface temperature +Novoselov, A. S. 5=10443, Bipolar pulse generator Nowacki, W. 5=13846, Thermoelastic medium. II +Nowacki, W.K. 5=102, Spherical wave in elastic-visco-plastic body +Nowakowski. J. 5=8860, Hückel treatment of hydrocarbons +Nowakowski, J. 5=8861, Oscillator strengths in hydrocarbons Nowakowski, J. 5=8910, Diamagnetism of cyclic polyenes +Nowicki, M. 5=10611, He and Ne in laser Nowinski, J. L. + 5=2091, Vibrations of anisotropic membrane +Nowik, I. 5=6247, Sm¹⁴⁹ in ferrimagnetic Sm crystals Noxon, J. F. 5=13368, Airglow O 6300 Å line Noxon, J. F. 5=13375, Night airglow +Noyes, R. M. 5=6163, Diffusion of I in CCL. +Nozdrev, V. F. 5=6173, U. S. propagation in organic mixtures Nran'yan, A. A. 5=3801, Third order elastic constants Nran'yan, A. A. 5=6668, Finite deformation of cubic crystals Nran'yan, A. A. 5=12442, Elastic constants of solids Numata, H. 5=6824, Cyclotron absorption in PbTe +Nunamaker, T. A. 5=2541, Scanning system for spark chambers +Nuñez, J. 5=4994, New laser pump +Nunez, J. 5=8044, Laser deflection with resonator +Nuñez, J. 5=10635, Bidirectional electrically switched laser +Nuovo, M. 5=6694, Dislocation relaxation in aluminum +Nurieva, L.D. 5=3568, Selenium crystallization Nurmia, M. + 5=762, α -activity of Sm-146 +Nurmukhamedov, G.M. 5=1735, Magnetization of ferromagnetic metals +Nurmukhamedov, G. M. 5=12605, Band structure of Ni +Nurmukhametov, R. N. 5=13083, Spectra of benzidine +Nussbaum, M. 5=622, π^+ -d interactions +Nussbaum, M. 5=11125, Σ - Λ relative parity +Nussbaum, R. H. 5=1459, Displacement of impurity atoms +Nussli, J. 5=5034, Detection of light modulated at 900 Mc/s +Nuttall, A. H. 5=14794, Reflection distortion of pulse Nuttall, J. 5=11680, Plasma Green's function singularities +Nuttall, J. 5=13544, Cyclotron harmonics at topside Nuttall, J. A. 5=10731, Using photographic film as a diffraction grating +Nutting, J. 5=9237, Precipitates in adjusted U Nuvaryeva, V. V. + 5=4367, Electroluminescence of ZnS: Cu, Al +Nuyts, J. 5=2413, Classifications of hadrons +Nuyts, J. 5=5419, 960 MeV meson and SU(3) extension +Nuyts, J. 5=8261, SU₄ and strong interactions +Nuyts, J. 5=10808, Symplectic symmetry of hadrons Nybø, S.A. + 5=582, Dose monitor +Nyborg, W. L. 5=14826, Parametrically excited surface waves +Nye, S.D. 5=2000, Tetrahedral-anvil press Nygaard, K. J. 5=11631, UV emission from H

+Noskova, L. M. 5=1734, Magnetization of a ferromagnetic +Nosov, V. I. 5=5717, Absorbing rods in reactor

Nosov, V. I. + 5=5718, Control rods of reactors

+Nygren, D. R. 5=11045, Neutron-time-of-flight detector +Nygren, P. 5=2192, Hall effect multiplier +Nyholm, R.S. 5=6238, Metal-metal bonds in complexes +Nyman, F. R. 5=4898, Superconducting Nb₃Sn ribbon +Nysten, K. E. 5=8545, d_{3/2} hole states in Sc

Oakes, R. J. + 5=5379, μ + He³ \rightarrow H³ + v capture Oakes, R.J. + 5=10804, SU(4) mass formula Obayashi, T. 5=13564, Solar plasma streams +Obayashi, T. 5=15717, Rocket observation of ionosphere Obedkov, V. D. 5=5794, Theory of electron-atom collisions +Obedkov, V.D. 5=5800, Electron scattering by Li atoms +Obenshain, F.E. 5=9630, Au¹⁹⁷ alloy residual resistivity +Oberg, P.E. 5=1754, Dispersion in permalloy films +Oberholtzer, J. D. 5=8544, Energy level structure of Sc⁴² +Oberlin, A. 5=1619, Conductance of NaCl Obermair, G. 5=7104, Exchange operator in ferromagnetism +Oberman, C. 5=11697, Radiation in plasma Oberman, C. + 5=14753, Motion of Vlasov plasmas +Obodovskii, I. M. 5=14365, Convection chambers Obraztsov, Yu. N. 5=1717, Thermomagnetic phenomena +Obridko, V.N. 5=4664, Magnetic field in sunspots Obridko, V. N. 5=13895, Radiative scattering in magnetic field O'Brien, B. J. + 5=13376, Geophysical studies. IV +O'Brien, B. J. 5=13395, Geophysical studies. V O'Brien, B. J. + 5=13647, Geophysical studies. I O'Brien, K. + 5=11013, Transport theory of β -dosimetry O'Brien, N. G. 5=6219, Vaporization of components in mixtures O'Brien, P. A. + 5=13300, Whistling atmospherics at Durban +O'Brien, R. R. 5=15364, Diffused junction transistors +Obu, K. 5=13593, Polar pre-S.C. and h.f. radio propagation Ochiai, Y. 5=2136, Vocal sound spectra Ochiai, Y. 5=4822, Study of French vowels Ochkur, V.I. 5=5797, Electron-impact ionization of H atoms Ochs, G.R. 5=13405, Synchrotron radiation decay +Ockman, N. 5=9927, Electro-optic effect in hexamine +O'Connell, D. J. 5=14951, Graphite supporting films O'Connell, J. P. + 5=6147, Gas solubility in mixed solvents O'Connell, J. S. + 5=5275, Quadrupole magnet as spectrometer O'Connor, B. H. + 5=12259, Crystal structure of α sulphanilamide O'Connor, D. A. + 5=6250, Fe⁵⁷ Mössbauer effect in solids O'Connor, J.R. + 5=6793, Energy levels in CaF₂ +Oda, K. 5=6970, n—Ge point contact diode

Oda, M. 5=10123, X-ray collimator for astronomical use Oda, M. 5=10130, Neutron-star as X-ray source Oda, T. 5=5990, Shock-heated plasmas Odeh, F. + 5=3413, Bloch waves in crystals +O'Dell, A. W. 5=9409, p-p forward scattering at 1.7 GeV/c +O'Dell, E. W. 5=2507, CaI $_2$ and CaI $_2$ (Eu) scintillation crystals O'Dell, T. H. 5=12728, Magnetoelectric chromium oxide Oden, L. + 5=2066, Quantum tunnel model

+Oder, R. R. 5=9739, Au-Fe versus Cu thermocouples +Oding, I. 5=12459, Pulsating stress flow Oding, I. A. + 5=3823, Contact friction and fatigue +Oding, I. A. 5=6680, Creep in beam during bending Oding, I. A. + 5=12555, Plastic deformation α-Ti alloy Odle, R. L. + 5=2272, High temperature n.m.r. probe +O'Donnell, P.J. 5=606, Pion-nucleon scattering +O'Donnell, P.J. 5=14412, Nucleon—nucleon phase-parameters

+O'Dwyer, J. J. 5=3655, Free energy of a lattice Oelbermann, E. J., Jr. + 5=13424, High-altitude nuclear tests Oertel, G. K. + 5=8972, Emission spectrum from plasma Oetjen, R. A. 5=5037, Optics in Japan +Oetzel, G. N. 5=9002, Noise in plasma column +Ofengenden, R. G. 5=14342, AIM A-2 pulse analyzer Ofengenden, R. G. + 5=14343, Pulse amplitude ratios +Ofer, S. 5=3428, Mössbauer effect of Eu¹⁵³ Ofer, S. + 5=6247, Sm¹⁴⁹ in ferrimagnetic Sm crystals Ofer, S. + 5=14903, Mössbauer effect in Dy161

Offen, H. W. 5=7375, Absorption spectrum of anthracene—TNB Offenbacher, E. L. + 5=1223, Field potentials in CaF Offerhaus, M. J. 5=10599, Laser interferometer field +Ofganesyan, Yu. Ts. 5=5812, Isotope 104²⁵⁰ O'Foghludha, F. 5=5560, Fadiation reciprocity +Oganesyan, Yu. Ts. 5=8685, Synthesis of element 104 Ogard, A. E. + 5=15054, Thermal expansion of PuC and UC-PuC

+Ogasawara, T. 5=1722, Superconducting Nb-Zr wire +Ogawa, I. 5=2861, U²³⁸ fission by 55 MeV protons Ogawa, K. 5=9460, Edge dislocations of b. c. c. metals

Physics Abstracts 1965 - Part I (Jan.-June) Ogawa, M. + 5=2973, Isotope shift of N_2 absorption bands Ogawa, M. + 5=2974, Absorption spectrum of $\rm N_2$ +Ogawa, M. 5=11671, Photo-ionization of $\rm N_2$ Ogawa, S. + 5=1240, g factor of H in phosphates +Ogawa, S. 5=3616, Satellites in electron diffraction +Ogawa, S. 5=9309, Lattice modulation in Au₃Cd +Ogawa, S. 5=12187, Al-Ag electron diffraction patterns Ogawa, T. + 5=13293, Intracloud lightning discharge +Ogawa, T. 5=15701, Airglow [OI] 6300 Å emission +Ogawa, T. 5=15712, Photometry of photographs of aurora +Ogawa, T. 5=15717, Rocket observation of ionosphere +Ogaza, S. 5=8564, 3/2 * state in Tl²⁰³ Ogbuehi, P.O. + 5=13397, Changes in equatorial electrojet Ogburn, F. 5=3535, Growth twins of Cu dendrites +Ogden, H. R. 5=3864, Tensile properties of Mo and Mo-0.5Ti Ogden, P. M. + 5=11091, π-p elastic scattering +Oggioni, R. 5=9963, Luminescence and absorption spectra of NaF Ogier, W. T. + 5=9890, X-ray absorption Ogievetskii, V.I. 5=430, Broken symmetries Ogilvie, J. F. 5=8823, Infrared absorption of OH Ogilvie, K.W. + 5=15877, Solar proton spectrums +Ogilvie, R. E. 5=556, Archard electron diffusion model +Ogilvie, R. E. 5=12173, Microdiffraction procedures +Ogilvie, R. E. 5=12175, Kossel line X-ray studies +Ogilvie, R. E. 5=15081, Diffusion in U-Nb system +Ogimoto, T. 5=11072, Goldberger—Treiman relation +Ogino, K. 5=2814, Be 3 and B 10,11 (p, α) and (d, α) Ogino, N. 5=9491, Stacking faults in Si film +Ogir, M. B. 5=13783, Solar flares +Ogletree, E.G. 5=4516, Gyrostabilizers + Ogloblin, A.A. 5=657, He 3 (d, t)2p, He 3 (He 3 , α)2p reactions +Ogloblin, A. A. 5=670, Light neutron nuclei Ogniben, G. + 5=1347, X-ray absorption corrections +Ogorodnikov, B. I. 5=6108, Diffusion coefficient of Ra A atoms +Ogorodnikov, B. K. 5=12744, HgTe galvanomagnetic properties +Ogryzlo, E.A. 5=1903, Halogen-atom reactions. II +Ogryzlo, E.A. 5=7425, Reactions of O₂ ($^1\Delta_{\sigma}$) and O₂ ($^1\Sigma_{\sigma}$) +Oguchi, T. 5=1728, Ferro- and antiferromagnetism Ogura, Y. 5=10062, Vortices and tropical cyclones Ogurtani, T.O. + 5=13012, Quadrupole interactions in Cu +Ogurtani, T.O. 5=15510, Paramagnetic impurities in n. m. r. +Ogurtsov, O. F. 5=11136,100 BeV interactions recorder controls +Ogurtsova, L. A. 5=5879, Emission spectra of organic molecules Ogurtsova, N. N. + 5=1097, H-C plasma absorption coefficient +Oguti, T. 5=15677, Low-latitude whistlers +Oguti, T. 5=15678, Nose whistler Oguti, T. 5=15716, Magnetospheric circulations +O'Hara, S. 5=1879, Optical properties of zinc tungstate Ohara, S. 5=3271, Electronic conduction in gases +Ohba, I. 5=2700, Cosmic ray jets +Ohkawa, T. 5=12153, Pendellösung fringes of Si +Ohki, S. 5=6601, Ion transport through membrane Ohkura, H. 5=1487, Color centers in KCl Ohlsen, G. G. + 5=5461, p's from $He^4 + d$ +Ohly, W. 5=1360, Lattice deformation of Al alloys +Ohly, W. 5=1526, Lattice deformation of iron

+Öhman, J. 5=10720, Light scattering instrument Öhman, Y. 5=4679, Solar flares and surges Öhman, Y. 5=15785, Studying image quality +Ohnishi, H. 5=11733, Slow θ -pinch instabilities

+Ohnishi, H. 5=11735, Slow theta pinch plasma Ohno, J. M. 5=10730, Spheres in emulsion layer +Ohnuki, Y. 5=10816, Baryon-Lepton symmetry

+Ohori, Y. 5=6853, Paramagnetism and superconductivity Ohr, S. M. + 5=9467, Dislocations in deformed iron +Ohrimenko, L. S. 5=8663, π^- + Xe $\rightarrow \pi^-$ + π^0 Xe reaction

Ohring, G. + 5=1921, Surface temperature of the earth Ohring, G. + 5=15845, Model of Venus atmosphere +Ohrn, Y. 5=898, F-series of Cs I.

Ohta, K. + 5=1761, Magnetostriction of Mn-Zn-Fe ferrites Ohta, M. + 5=12772, Intermetallic compound Esaki diodes Ohtsubo, A. 5=9807, Properties of fluosilicates

Ohtsubo, A. 5=9825, Antiferromagnetism of Mn and Co fluosilicates Ohtsubo, H. 5=639, $\Lambda-\Lambda$ interaction Ohtsuki, Y. H. 5=13020, X-ray absorption by crystals. I Oi, N. + 5=9418, Fission product diffusion in UO_2 +Oi, N. 5=12365, Epitaxial impurity distribution

Oi, Y. 5=10839, Axial vector β -decay coupling +Oja, T. 5=7566, Magnitudes and colours for 849 stars +Ojala, S. 5=9214, Grain growth in Ni powder

+Ojog, A. 5=12934, Magnetization of Ni-Fe Oka, T. + 5=984, Microwave spectrum of formaldehyde

```
Okabayashi, T. + 5=385, Bogoliubov transformation Okabe, S. + 5=5722, Liquid flow neutron monitor
Okabe, S. + 5=10950, Beam position monitor for accelerators
Okada, J. + 5=4020, Acoustoelectric current in CdS
Okada, T. + 5=12965, Ferromagnetic resonance in garnet +Okai, B. 5=13011, V^{\text{fi}} in V_{\text{2}}O_{\text{3}} n. m. r. Okajima, K. + 5=9093, Activity in Pb-base liquid alloys
Okamoto, F. + 5=1650. Hall effect in n-tvpe InSb +Okamoto, S. 5=4087, Dielectric polyvinylacetate Okamoto, Y. + 5=9707, Electrical resistance of ferrocene
 +Okamura, S. 5=14665, E.S.R. saturation of radicals in poly-
+Okamura, Y. 5=12537, Cracking of polyethylene
+Okazaki, H. 5=6768, Recovery in tungsten
 +Okazaki, S. 5=15639, Secular variation of longitude, I.
 +Okazaki, S. 5=15640, Change in earth's rotation
O'Keefe, J. A. 5=4622, Ranger photographs
O'Keefe, J.A. 5=4645, Tektites, fragments from moon
O'Keefe, J. D. + 5=14711, Axial flow from exploded cylinder
+O'Keefe, T.W. 5=12784, Transistor changes by electron
       microscopè
 O'Kelley, G. D. 5=8573, Displays for radioactivity measurement
 +Okhlobystin, O. Yu. 5=11979, Mössbauer effect in Sn organics
 Okhotsimsky, D. E. + 5=13644, Gravitational stabilization of
       satellites
 +Okhrimenko, L.S. 5=8453, \pi-N interactions at 9 BeV
 +Okhrimenko, L.S. 5=601, Charge exchange of pions on protons
+Okhrimenko, Yu. Ya. 5=3646, PMR of hydrides of Ti-V
Okolovich, V. N. + 5=858, Kinetic energy of fission fragments
Okolovich, V.N. + 5=2850, Kinetic energy of fission fragments + Okolovich, V.N. + 5=2852, Spontaneous fission of Cm<sup>244</sup> + Okolovich, V.N. 5=2852, Spontaneous fission of Cm<sup>246</sup> okonov, E. O. 5=5431, Medium effects on K°K° pairs
 +Okopokov, A. I. 5=12918, Neutron scattering on Fe spin waves
 Okorokov, V. V. + 5=10426, Time analyzer
 +Oksengorn, B. 5=11506, Raman spectra of H<sub>2</sub> and N<sub>2</sub>
Oksengorn, B. + 5=11949, Vapour pressures and critical points
 Oksman, J. 5=13530, F-region inhomogeneities
 +Oksman, Ya. A. 5=7036, Photoconductivity of GaP
 +Oksman, Ya. A. 5=15209, Hopping conductivity in Ge
+Oksyuk, Yu. D. 5=14671, Dissociation of diatomic molecules
 Okubo, S. 5=426, Unitary symmetry model
 Okubo, S. + 5=2410, SU, and U, symmetry
 +Okubo, S. 5=2429, Boson-unitary triplet or octet?
 +Okubo, S. 5=2443, Gravitational interaction Okubo, S. + 5=5201, Mass formula in SU<sub>3</sub>
 +Okubo, S. 5=8220, Octet dominance model
 +Okubo, S. 5=8222, Wa with parity interchange
 Okun, L. B. 5=5299, Possible elementary particles
 +Okun, L. B. 5=8386, Colliding electron beams
 Okun, L. B. 5=11004, Supercharged particles and neutrino
  Okutani, J. + 5=6046, Stopping power of unstable plasma
 Olbers, W. + 5=10651, Objective transmissometer
 +Olbrychski, K. 5=3926, Plane waves for groups D<sub>4b</sub><sup>17</sup>-D<sub>4b</sub><sup>20</sup>
 Oldershaw, G.A. + 5=4410, HBr addition to 2-butene
 Oldroyd, J. G. 5=3284, Flows of elastico-viscous liquid
 +Oleinik, A. G. 5=13921, Shock waves and mechanical properties
 +Oleinik, B. N. 5=1429, Thermal properties of polymers
 Oleinik, B. N. 5=6544, Thermodynamic measurements on solids
  +Oleinikov, A. Ya. 5=12738, Conductivity of n-InSb
  +Oleinikov, A. Ya. 5=12829, Photoconductivity of InSb
  +Oleksiv, G. I. 5=9340, Structural type Li<sub>22</sub>Pb<sub>5</sub>
  Olesen, P. 5=5392, High-energy \( \pi - \text{N} \) cross-sections
  Olesen, P. 5=5411, High-energy \pi-\pi scattering
  Olesen, P. 5=10772, Consistency of Z_3 = 0, \delta m^2 = 0
 Olesen, P. 5=11089,\pi-\pi scattering. II Olesen, P. 5=14436, High-energy \pi-\pi scattering. III
 Olf, H.G. + 5=3095, NMR observations of drawn polymers. IV
 +Oliner, A. A. 5=10530, Cerenkov and Smith—Purcell radiation
+Oliner, A. A. 5=14397, Cerenkov radiation
  +Oliva, P. 5=5607, γ-resonant scattering in Rb, Ni, Cd
  +Olivieri, G. 5=13774, Corona at eclipse of 15/2/61. I
 Olman, M.D. + 5=957, Molecular constants of NO
 Olmen, R.W. 5=1746, Characteristics of nickel-iron +Olness, J.W. 5=2737, Parity of Be<sup>11</sup>
  +Olovsson, I. 5=3628, Crystal structure of N2H4. H2O
  Olsen, A. L. + 5=5046, Sellmeier dispersion equation
 +Olsen, A. L. 5=8108, Performance of interference filters
  +Olsen, C. W. 5=14688, Electrical properties of exploded con-
 Olsen, D.A. + 5=3487, Surface tension of glass
 Olsen, H. + 5=2597, Polarized electrons, positrons
```

```
Olsen, J. + 5=1233, Velocity drive for Mössbauer experiment
+Olsen, J. L. 5=6785, Electronic m.f.p. in Al
+Olsen, J. L. 5=9657, Superconductivity of Te
+Olsen,J.L. 5=13800, High pressure clamp at 3He temperatures
+Olsen, J. L. 5=15289, Al superconductivity
+Olsen, J. M. 5=5447, \( \hat{N} - \text{N} \) scattering
Olsen, W. C. + 5=8589, C12 o-breakup
Olsen, W. C. 5=14046, Measurement and control of magnetic fields Ol'shevskii, V. V. 5=4440, Sea reverberation
Ol'shevskii, V. V. 5=15650, Spectra of sea reverberation
+Olson, A. L. 5=4186, Biaxial anisotropy in ferromagnetic films
+Olson, D. H, 5=13115, Injection mechanisms in GaAs
+Olson, J. 5=12671, Superconductivity of metal carbides and
      nitrides
Olsson, P.O.M. 5=2018, Laplace transform
Olszewski, S. 5=7791-2, Statistical equation with exchange
Olvnyk, D. + 5=2115, Comparison of absorption measurements
+Om-San-Kha. 5=10561, E.M. waves in waveguide
Oman, R. M. + 5=4124, Properties of Nb (111) surface
+Omar, H. M. 5=8671, Mg<sup>25</sup>(d, \alpha)Na<sup>23</sup> at low energy O'Malley, T. F. + 5=11423, Compound-atom states
O'Malley, T. F. 5=11455, Negative-ion photodetachment
 +O'Malley, T. F. 5=11456, Long-range interactions
 +O'Mara, B. J. 5=10140. Stellar atmospheric absorption lines
+Omarov, T.G. 5=1421, Molar volumes of ionic crystals
 +Omel'yanovskii, E. M. 5=6789, Scattering in Ge and Si
 +Omel'yanovskii, E. M. 5=15208. Electron scattering in Ge
 +Omini, M. 5=3734, Vacancy—phonon perturbation. III—IV
+Omini, M. 5=9461, Lattice distortion around dislocations
Omnes, R. 5=8238, Final-state interaction
Omnes, R. 5=8265, Mandelstam representation
Omnes, R. L. + 5=2478, Three-body scattering amplitude. II +Omnes, R. L. 5=8274, Singularities in three-body model
Omont, A. 5=11453, Relaxation of atomic excited states
Oms, J. + 5=14470, Intensity of gamma-transitions
+Oncescu, M. 5=547, 47 ionization chamber
+Oncescu, M. 5=739, Intercomparison of radioactivity standards
      1961-1963
 Ondik, H. M. 5=9356, Crystal structure of Na<sub>3</sub>P<sub>3</sub>O<sub>9</sub> and Na<sub>3</sub>P<sub>3</sub>O<sub>9</sub>, H<sub>2</sub>O
 Ondoh, T. + 5=13593, Polar pre-S.C. and h.f. radio propagation
 +Ondracek, G. 5=14939, UO<sub>2</sub>-Mo system
+Ondracek, G. 5=15377, UO<sub>2</sub>—Mo properties
O'Neal, H. R. + 5=9382, In and Sn heat capacities
Oneda, S.+ 5=2660, \eta^0 \rightarrow 3\pi Decay
Oneda, S.+ 5=2664, Su (3) and nonleptonic K-meson
+Oneda, S. 5=2666, |\Delta T| = \frac{1}{2} rule in nonleptonic weak decays
Onega, R. J. + 5=727, Decay of Xe137
+O'Neil, R. 5=2975, Optical radiation from N<sub>2</sub> and air
+O'Neill, M. E. 5=13197, Phases PKiKP and PKIIKP
 Ong. S. P. 5=4424. Light element analysis with microprobe
 +Ongaro, R. 5=1676, Electrification of polystyrene
Onicescu, O. + 5=13858, Fibre space of special relativity
+Onishchenko, I. N. 5=5984, Polarization of plasmoids
+Onishchenko, L. M. 5=538, Single cavity accelerator
+Onischenko, L. M. 5=1969, Single cavity accelerator for protons
+Onley, D. S. 5=11306, Electron scattering
 Ono, A. 5=6765, Formulating strengths by stresses V
 Ono, H. + 5=12837, Deterioration of solar cells Ono, K. 5=6251, Fe<sup>57</sup> Mössbauer effect in FeCl<sub>2</sub>
 Onoprienko, L. G. 5=7105, Coupled oscillations in ferromagnetics
 +Onoprienko, L. G. 5=15441, Angular dependence of coercive force
Onsager, L. 5=182, Helium II
 +Onu, C. 5=4893, Saturation-probe magnetometer
+Onufriev, V.G. 5=726, Isomer Te<sup>1,5m</sup>
 +Onwumechilli, A. 5=13397, Changes in equatorial electrojet
Onwumechilli, A. 5=13529, Effective equator for F region
 Onwumechilli, A. 5=13573, Geomagnetic Sq variations
 Onwumechilli, A. 5=13576, Geomagnetic lunar tide
 Oort, A. H. 5=4461, Circulations in lower stratosphere
 +Oostens, J. 5=503, Doped silicon junctions
 +Oostens, J. 5=504, Lithium-compensated Silicon junction
 +Oosterhoff, L. J. 5=2352, Optical rotatory power
 +Oosting, P. H, 5=14668, Spin—lattice relaxation in methanes
 +Oparin, V. A. 5=2911, Charge exchange of protons
+Opdyke, N. D. 5=13618, Paleomagnetism of Southern Rhodesia
 Opdyke, N.D. 5=13619, Paleomagnetism of Southwest Tanganyika
 Opdyke, N. D. 5=13621, Paleomagnetism of Northern Rhodesia
 +Opdyke, N.D. 5=13622, Paleomagnetism of ring complexes
 +Opdyke, N. D. 5=13623, Paleomagnetic results from Africa
 +Ophel, T.R. 5=2739, Energy levels of O<sup>16</sup>
+Ophir, D. 5=7409, Pulse shape in anthracene
 +Opik, U. 5=15237, Ca+ impurity in sodium chloride
 Oppenheim, I. + 5=2053, Brownian motion
```

+Olsen, H. 5=2915, Screening effects in e-scattering

+Olsen, H. 5=14616, Electron scattering

+Oppenheim, I. 5=2075, Nonequilibrium thermodynamics +Oppenheim, I. 5=3273, Transport coefficients of gases. I Oppenheim, U.P. + 5=316, Attachment for grating mount +Opykhtin, V. 5=8771, Excitation of alkali metal atoms +O'Raifeartaigh, L. 5=2463, Unitary symmetry and charge conservation +O'Raifeartaigh, L. 5=7724, Semisimple Lie algebra invariants +Orange, A. S. 5=13613, Micropulsation activity Orava, R. N. 5=7839. Yielding and flow in Mo +Orbach, R. 5=13109, Zeeman effect in CaF₂:Dy²⁺ +Orchard, S. E. 5=8149, Kubelka and Munk coefficients Ord, J. L. \pm 5=13172, Electrical behaviour of passive Fe +Ore, A. 5=6951, Semiconducting organic complexes +Orear, J. 5=566, $p + p \rightarrow \pi^+ + d$ at high momentum Orear, J. 5=8365, High-energy momentum distributions +Oredson, H. N. 5=4186, Ferromagnetic film biaxial anisotropy O'Reilly, D. E. 5=3295, Spin densities in solutions O'Reilly, D. E. 5=3372, Knight shifts in metal-NH3 solutions +Oren, Y. 5=2689, Existence of Ω -hyperon +Orenstein, S. 5=622, π^* -d interactions Oriani, R. A. 5=3454, Precipitates in solid matrices Orient, O. J. 5=6095, Electrons in helium and argon Orient, O. J. 5=10491, Mean free path of electrons +Orito, S. 5=2700, Cosmic ray jets +Orkin-Lecourtois, A. 5=5321, Neutrino interactions Orlinov, V. + 5=200, Cesium thermionic converter Orlinov, V. + 5=4891, Caesium thermoelectric converter Orlov, A. N. 5=6622, Kinetic equations for dislocations +Orlov, M. Yu. 5=5706, Neutron propagation in UC +Orlov, Yu. V. 5=11048, Neutron spectrometer Orlova, I. G. + 5=3876, Deformation of heated ruby Orlova, M. P. + 5=10386, In resistance thermometer +Ormandjiev, S. 5=10902, Resonance scintillation counter Ormandzhiev, S. + 5=8522, Summed coincidences +Ormerod, M. G. 5=9258, Cross-link formation in polyethylene Ormes, J. + 5=662, ρ and α -particles in cosmic radiation Ormrod, J. H. + 5=12431, Atomic stopping cross-sections Ornatskaya, Z. I. 5=9637, V oxide bronzes electrical properties Oron, M. + 5=12083, Twinning in graphite dendrites +Orowan, E. 5=9565, Plastic deformation in MgO +Orowan, E. 5=9566, Crack nucleation in MgO Orr, C., Jr. + 5=4469, Photophoretic effects in stratosphere +Orr, C.,Jr. 5=1210, Thermal precipitator +Orr, W.R. 5=11780, Fluid saturation of cores +Ortalli, I. 5=5378, Scattering of BeV/c μ in emulsion Ortenburger, I. 5=4175, Heisenberg ferromagnet magnetization Orth, R. W. + 5=9414, Diffusion of Cd in InSb Ortmann, H. + 5=9970, Luminescence of precipitated ZnS +Orton, J. W. 5=14983, Rh in $ZnWO_4$ single crystals +Orville, R. E. 5=13294, Electron density in lightning +Orville, R. E. 5=13295, Lightning strokes Osaka, Y. 5=15391, Spectrum of piezoelectric polaron Osaka, Y. S. 5=11971, Crystalline field in chrome alum Osborne, A. D. + 5=9099, Diffusion studies in viscous media Osborne, D. G. 5=13398, Changes of equatorial electrojet Osborne, F. J. F. + 5=4489, Plasma trapping in magnetosphere Osborne, F. J. F. + 5=13574, Solar wind-magnetosphere reaction Osborne, J. L. + 5=2697, K/π ratio Osborne, J. L. + 5=2704, Cosmic ray muons +Osborne, W. Z. 5=11104, K₁₁₄ decay in emulsion +Osburg, L. A. 5=946, Vibrational relaxation of CO +Ose, D. 5=10000, Quinol-quinone equilibrium Oser, H. + 5=78, Relaxation of Lorentz gas Osgood, D. R. + 5=5686, Excitation function for C¹²(He³, n_o)O¹⁴ Oshcherin, B.N. 5=3485, Condensation energy of surface Oshcherin, B. N. 5=3486, Condensation entropy in surfaces +Oshman, M. K. 5=10678, Generation of single-frequency light +Osika, L. M. 5=15015, MnO and EuTe lattice distortions +Osipov, B. D. 5=14049, Magnetoresistance at He temperatures Osipovich, L. A. 5=7851, Piezo-electric quartz transducers +Oskam, H. J. 5=1028, Glow discharge in He and Ne Oskam, H. J. + 5=5998, Afterglow studies in hydrogen Oskotskii, V. S. 5=12302, Ge thermal expansion coefficient Osmond, W. P. 5=1775, Magnetic exchange interactions +Ossowski, W. 5=7944, Low-field n.m.r. magnetometer +Ostanevich, Yu. M. 5=5493, Resonance γ -absorption in Sm¹⁴⁹ Ostberg, G. 5=12564, Ductility of Zr alloys Östberg, G. + 5=14910, U-Mo γ -phase detection +Ostenson, J. E. 5=6874, Superconductivity in La and La-Gd Oster, G. + 5=9994, Phosphorescence of hydrocarbons in polymers Oster, G. 5=10711, Optical problems by Moiré patterns Oster, G. K. 5=8900, Quenching and free radicals

+Oster, L. 5=548, Electron-ion encounter bremsstrahlung +Oster, L. 5=1091, Radiation processes in plasma +Osteraas, A.J. 5=3487, Surface tension of glass +Osterbrock, D. E. 5=10176, C₂ swan bands in comets Østgaard, E. 5=11297, Quasi-deuteron production +Ostreiko, G. N. 5=10949, High-power pulse modulators Ostriker, J. 5=4542, Polytropic and isothermal cylinders Ostriker, J. 5=4543, Equilibrium of self-gravitating rings Ostriker, J. 5=7552, Stability of compressible cylinder +Ostroski, J. 5=2519, Nuclear particle detector Ostroumenko, P.P. + 5=2907, Cu excitation in a hollow cathode Ostroumov, G. A. 5=10372, Convection in closed cavities Ostroumov, G. A. + 5=14009, Measuring impulse voltages +Ostroumov, V. I. 5=5665, O^{16} (π , π^{*}) 4α for 80 MeV π^{-} +Ostrovskaya, L. M. 5=9737, Stable n-type thermoelements +Ostrovskii, E. K. 5=2553, Linear electron accelerator +Ostrovskii, E. K. 5=8351, Electron linac. phase velocity +O'Sullivan, D. 5=5499, Decay of heavy hypernuclei O'Sullivan, D. D. + 5=13104, CdS injection electroluminescence O'Sullivan, W. J. + 5=1222, Electric field gradient in Sb +Otero, M. J. 5=9965, Luminescence of Zn borate +Otroshchenko, I. V. 5=8715, Reactor shut-down +Otrubyannikov, Yu. A. 5=10968, Radiation pulses in betatrons Otsuka, E. + 5=3955, Electron scattering by acceptors in Ge +Otsuka, E. 5=7229, F¹⁹ spin—lattice relaxation in CaF, +Otsuki, M. 5=3614, 2.0 Å with electron microscope Ôtsuki, T. 5=121, Diffraction of acoustic wave by plate +Otsuki, Y. 5=1643, Electron mobility in CdS Ott, J. H. + 5=4318, Electro-optic effects in KH₂PO₄ +Ott, M. 5=5097, Processes in photographic emulsions +Ottaviani, G. 5=2512, Charge collection time +Ottaviani, G. 5=14020, Charge-sensitive preamplifier +Otte, R. A. 5=524, Mura electron accelerator, VI +Ottenberg, A. 5=5899, E. S. F. of charge-transfer complex Ottensmeyer, F. P. + 5=3908, 1s states in As- and Sb-doped Si +Otto, G. 5=1635, Critical currents of Nb₃Sn +Otto, G. 5=6879, Preparation and superconductivity of Nb-Sn +Otto, J. L. 5=278, Laser transitions in i.r. +Otto, J. L. 5=5783, Stimulated i.r. emission of rare gases +Otto, J. L. 5=14594, Stimulated emission in He4 and He3 +Ottoson, U. 5=378, Lorenz-Lie groups combination Ottoson, U. + 5=8223, Internal and space-time symmetries +Otwinowski, S. 5=5396, Six-prong interations of π in H Ouboter, R. De Bruyn. See De Bruyn Ouboter, R. +Ouchi, C. 5=7528, Structure and movement of Es +Oudar, J. 5=15621, S chemisorption on Ag Ovander, L. N. 5=1826, Raman scattering in crystals Ovchinnikov, A. A. + 5=8812, Wave functions of H2 +Ovchinnikov, Yu. N. 5=1628, Nonuniform state of superconductors +Ovchinnikova, M. Ya. 5=884, Nonadiabatic transition Ovechkin, V. V. + 5=5547, γ -rays from Xe^{137,136} Ovenall, D. W. 5=9846, EPR of peroxy radicals Overhauser, A. W. + 5=4194, Spin susceptibility in Fe Overhauser, A. W. 5=4221, Antiferromagnetism in K +Overley, J. C. 5=5622, p-Bombardment of thick targets Overley, J. C. + 5=14532, Neutrons from B¹¹(p, n)C¹ Overseth, O. E. + 5=567, p + p \rightarrow d + π° reactor +Overseth, O. E. 5=2681. Lifetimes of Λ° hyperon, K_1° meson +Ovodova, A. V. 5=12402, Dislocations in Ge Ovsyannikova, I. A. + 5=7345, LTII spectra of La and Ce compound +Ovsyenko, D. E. 5=14982, Perfection of Zn crystals Ovsyuk, Z. Sh. 5=13794, Semitransparent contacts Owen, C.W. + 5=526, Mura electron accelerator VIII +Owen, C.W. 5=533, Mura electron accelerator. XV +Owen, E.A. 5=1398, Solid solutions in zinc Owen, J. + 5=5867, Electron charge in octahedral complexes +Owen, J. 5=11964, Magnetic properties of Co complexes Owen, J. D. + 5=6668, Error in Searle's pendulum +Owen, R. B. 5=13924, Exploded wire translational equilibration +Owen, R. W. 5=15870, Photometry of zodiacal light +Owen, T. B. 5=12195, Structure of C₈F₁₂ Owen, W.S. 5=1545, High strength iron alloys +Owens, B. B. 5=3396, Melting of KNO Owens, B. B. + 5=6159, Properties of PO_q-SO₄ systems +Owings, D. 5=10163, Polarization of lunar surface Owolabi, I. E. + 5=15664, Precipitation currents Owston, C.N. 5=254, Frequency control for e.s.r. spectrometer +Oxley, A. 5=14439, N* resonances +Oya, H. 5=15717, Rocket observation of ionosphere +Oyanagi, Y. 5=6750, Mechanical properties of rubbers. I +Ozaki, 5-7150, ΔR effect in magnetic thin films +Ozaki, H. 5-9674, Ge grain boundary currents

+Ozaki, S. 5-8318, Counter hodoscope data handling

```
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+Ozaki, S. 5=14415, p-p scattering
Ozaki, Y. 5=7149, Magnetic properties of permalloy films
+Ozernoi, L. M. 5=4539, Gravitational collapse of stars
+Ozerov, L. N. 5=12859, Electron multiplier for mass-
     spectrometer
Ozier, I. + 5=11598, Nuclear interactions of F.
+Ozima, M. 5=9796, Remanent magnetization of magnetite
Ozima, M. + 5=9796, Remanent magnetization of magnetite
+Ozizmir, E. 5=5971, Correlations in plasmas, III.
Paal, G. 5=7609, Instability of clusters of galaxies
Paál, G. 5=13673, Structure and kinematics of metagalaxy
Paccanoni, F. + 5=2427, Spin of SU<sub>3</sub> multiplets
Pace, J. R. + 5=10552, Matrices and waveguide discontinuities
+Pace, S. 5=12295, Thermal vibrations and X-ray transmission
     in Zn
+Paces, J. 5=9149, Resistivity of liquid Cd-Sb alloys
+Pacey, A.J. 5=1733, Coercivity theories
Pachner, J. 5=10111, Expanding universe
Pachner, J. 5=13670, Relativistic cosmology
Pachner, J. 5=13672, Energy in an expanding universe
+Packman, P. 5=6690, Crack initiation from elliptical holes
Padalia, B. D. + 5=911, L-spectrum of Th
+Padalka, V. G. 5=5999, Plasma interacting with magnetic field
+Padalka, V. G. 5=11754, Instabilities in plasma
+Padawer, G. E. 5=3603, X-ray lattice measurements
+Padaystan, S. I. 5=12497, GaP mechanical properties
+Padchenko, M. E. 5=3960, Number of free electrons
+Paderno, Yu. B. 5=4312, X-ray spectrum of La borides
Padmanabhan, V. M. + 5=12246, Neutron diffraction of
      (NH<sub>4</sub>)<sub>2</sub>C<sub>2</sub>O<sub>4</sub>, H<sub>2</sub>O
Padmanabhamurty, B. + 5=1919, Radiation at Waltair
+Páez, E. 5=838, Cross section for Au<sup>197</sup>(d, p)Au<sup>198</sup>
Page, D. H. 5=12529, Elastic modulus of paper +Page, F. M. 5=8958, NO, NO<sub>2</sub> electron affinities
Page, T. 5=7608, Evolution of galaxies
Pagels, H. 5=13850, Spin and gravitation
+Pages, A. 5=10888, Data processing by AMFI
+Pagiola, E. 5=12669, Second-order transitions, superconducting
cylinders
Paik, S. F. + 5=8912, Helical discharge
Pain, H. J. 5=14717, Shock waves in plasma
+Paine, A.A. 5=4269, Motion of HoO in K oxalate monohydrate
+Pais, A. 5=2464, Spin and unitary spin of strong interaction
+Pais, A. 5=5194, SU(6) and electromagnetic interactions
+Pais, A. 5=10786, Lorentz invariance and SU(6)
+Pais, A. 5=10848, SU(6) and semileptonic interactions
+Pais, A. 5=14308, SU(6)-invariant S-matrix theory
Paix, D. 5=10999, Circuit for X-ray dosemeter
Pajas, P. 5=5495, Polarizability in nuclear physics
Pak, N. G. + 5=15447, Recording of hysteresis loops
+Pakeva, S. 5=1684, Double layer electret
Pakhomov, A.S. + 5=1756, Critical fields in ferrimagnets
+Pakhomov, P. L. 5=1030, Pulsed discharge in He
Pakhomov, P. L. + 5=8951, He atom collisions in plasma
+Pakhomov, V. I. 5=14721, Electron radiation in plasma
+Pakhomov, V. Ya. 5=15300, Nb-Zr magnets
+Pakhomova, N. L. 5=12946, Anisotropy of Fe—Ni ferrites
+Pakhotova, N. L. 5=15464, Fe—Ni ferrite properties
+Pakkanen, A. 5=5324, \gamma-sensitive \beta-detectors
+Pal, A. K. 5=7222, g-Tensors in Cu salts
Pal, M. K. + 5=11191, Neutron-proton correlations
Pal, Y. 5=13686, Neutrino degeneracy in universe
+Paladi, M. 5=15625, Poisoning of a catalyst
Paladino, A. E. + 5=6383, Czochralski growth of sapphire
Paladino, A. E. + 5=6597, O ion diffusion in YIG
Paladino, A. E. + 5=12336, Oxygen diffusion in SrTiO<sub>3</sub>
Palagin, V. A. 5=9700, Thermistor heat capacities
Palathingal, J.C. 5=5544, Resonance fluorescence in Te122
```

```
+Palau, J. 5=8849, U.V. absorption of benzene derivatives
+Palazy, G. 5=7886, Measurement of surface temperatures
Palchevskii, V. V. + 5=11574, Spectrum of 2-oxy-1, 4-naphtho-
      quinone anion
 +Paleev, V. I. 5=5963, Surface ionization of atoms and molecules
Palenik, G. J. 5=12233, Ta.D neutron diffraction
Palev, Ch. 5=2677, Elastic K*-p scattering
+Palevsky, H. 5=5660, Optical-model neutron cross sections
Palibroda, N. 5=6135, Continuous metering pump
+Palilla, F.C. 5=4365, Cathodoluminescent YVO<sub>4</sub>: Eu Palinski, R. 5=4832, Solution of heat-conduction equation
Palinski, R. 5=13983, Nonstationary heat conduction
Palistrant, A. F. + 5=1293, Symmetry of borders and ribbons
Palistrant, M. E. + 5=15107, Optical bands of F centers
+Pálla, G. 5=2620, Neutron flight time spectrometer
Palm, J. H. 5=1344, Absorption correction factors
+Palma, M. U. 5=9912, Optical absorption of nickel fluosilicate
+Palma-Vittorelli, M. B. 5=9912, Optical absorption of nickel
      fluosilicate
Palmer, C. H., Jr. 5=10540, Diffraction anomalies with mm
     gratings
Palmer, D. W. 5=6654, Radiation damage
Palmer, E. P. + 5=111. Shock waves in copper
Palmer, E. P. + 5=13373, Laser scattering in mesosphere
+Palmer, N.S. 5=2704, Cosmic ray muons
+Palmer, R. B. 5=2689, Existence of \Omega-hyperon
+Palmieri, J. N. 5=2806, Nucleon-nucleus scattering
Palmieri, J. N. + 5=11028, Total N-He cross-section near
      147 MeV
+Palmieri, L. 5=10650, Frequency modulation of a light
Palócz, I. + 5=10530, Cerenkov and Smith-Purcell radiation
Palocz, I. + 5=14397, Cerenkov radiation
+Palser, R. 5=4363, Scintillation mechanism in NaI:Tl
Paltridge, G. W. 5=13281, Electrostatic field in stratosphere
Palumbo, C. J. + 5=14736, Electromagnetic wave propagation in
      magnetoplasmas. II
 +Palumbo, G. 5=6131, Non-Newtonian gravity flow
Palz, W. + 5=1701, Photovoltage in CdS crystals
 +Pan, C. H. T. 5=14092, Flow between concentric cylinders
 +Pan Gui-sheng. 5=15221, Minority current carriers in Si
+Pan Sau-ming. 5=3753, Dislocations and loops in Mo
+Pan' shi-lin [P'an Shih-l'ing], 5=3594, Structure of crystals
Pan Shou-fu. + 5=5760, Ground state of lithium
Pan Yu-Li, + 5=614, T = 2\Sigma\pi resonance Panasyuk, I. S. 5=11249, Absolute activity in decay
 Panasyuk, I. S. 5=11252, Disintegration rates of radioactive
+Panasyuk, P.V. 5=3319, Viscosity and conductivity of Cu-Sb
+Panasyuk, V. S. 5=10949, High-power pulse modulators
Panchenko, O. A. 5=6847, Hall effect in Ni films
Panchenko, V.V. 5=1675, Dielectric constant of ionic crystals
Panchenko, Yu.N. + 5=3025, Spectra of 1, 3-butadiene-d<sub>6</sub>
+Pande, G.C. 5=233, Hydromagnetic flow past plate
Pande, G. Chandra. See Chandra Pande, G.
 +Pande, L.K. 5=5405, Calculation of \pi-N scattering
+Pande, L. K. 5=5418, Model for 959 MeV δ-meson
Pandharipande, V.R. + 5=760, Decay of Cd115
+Pandit, L.K. 5=2683, Photoproduction of strange particles
Pandya, S.P. + 5=679, Nuclear shell model
 +Panepucci, H. 5=12992, E. S. R. of Na nitroprusside
Panevin, I.G. + 5=3268, Thermal conductivity of a gas
+Panin, V.E. 5=1479, Suzuki atomspheres in solid solutions
+Panin, V. E. 5=3438, Short-range order in Cu-Al and Cu-Zn
+Panin, V. E. 5=3847, Yield point of Cu-base solid solutions
Panin, V. E. + 5=15156, Cu-Al dislocation structure and
      mechanical properties
 +Panizza, E. 5=9953, Luminescence of alkali halides
+Pankau, J.W. 5=4689, Neuroanatomic studies
+Pankhurst, K. G. A. [Ed.] 5=14943, Progress in surface science Pankhurst, R. C. 5=7733, Dimensional analysis and scale
+Pankove, J. I. 5=14160, GaAs injection laser
 +Pankrat'ev, Yu. I. 5=11717, Energy, mass spectra of plasma
+Pankratov, V. M. 5=670, Light neutron nuclei
 Pannetier, E. + 5=8807, As_2 A^1 \Sigma_u^+ \rightarrow X^1 \Sigma_s^+ bands
Pannetier, G. + 5=953, Spectroscopy of N<sub>2</sub> stream
Pannetier, G. + 5=5855, Emission spectrum of SnCl
Pannetier, G. + 5=8814, New bands for HCl and HBr
+Panov, M. N. 5=925, Atomic collision events
+Panov, M. N. 5=926-7, Atomic collisions
+Panova, N. I. 5=10577, Two-channel current generator
+Panova, V. P. 5=11049, Neutron spectrometry
 +Panova, Ya. I. 5=15344, Electrical conductivity of rutile
```

Palatnik, L.S. + 5=4393, Corrosion of films in air-H₂S mixture +Palatnik, L.S. 5=9243, Formation of vacuum condensates

Palatnik, L. S. + 5=11945, Condensation mechanism of ionic

Palatnik, L. S. + 5=11952, Alloy evaporation and condensation

Palatnik, L. S. + 5=6321, Vacuum-deposited cobalt films

Palatnik, L. S. + 5=1253, ∈-phase in Fe-Al-C alloys

+Palatnik, L.S. 5=1264, Transformation of Co films
Palatnik, L.S. + 5=1303, Growth of Be condensates
Palatnik, L.S. + 5=1512, Vacuum-deposited beryllium films

Palatnik, L.S. + 5=3500, Vacuum-deposited copper Palatnik, L.S. + 5=3623, X-ray investigation of Cu—In—Se

compounds

```
Panseri, C. + 5=14926, Preprecipitation in Al-Mg
Pantchev, S. 5=13248, Geopotential space correlation
+Panteleev, V.A. 5=1445, Diffusion of antimony in silicon
+Panteleev, V. A. 5=12316, Surface diffusion coefficient
+Pantoflíček, J. 5=7352, Optical properties of Nd3+: glass
+Pantoja, S. J. 5=13443, Fishbone echoes
+Pantuev, V. S. 5=10923, 12 Channel amplitude analyzer +Panvini, R. 5=5398, \pi^-+p\to\eta^\circ+n to 1151 MeV +Panvini, R. 5=14434, \pi^-p charge exchange
Pao Lu. + 5=2473, Polarization in potential scattering
+ Pao Yih-Hsing. 5=7825, Vibrations of thin plates
+Pao Yoh-Han. 5=7377, Optical second harmonic generation
+Paoletti, A. 5=7099, Magnetism research with polarized neutrons
+Paoluzi, L. 5=598, Deuteron as nucleon target
Papa, R. J. 5=8975, E. M. wave interaction with plasma
+Papageorgiou, S. 5=11132, \beta-decay of t, d, and n
+Papageorgiou, S. 5=11256, ft Values of \beta decays
+Papageorgiou, S. 5=14493, Coupling constant in \beta-decay
+Papagiannis, M. D. 5=7603, Radio noise at 0.700 and 2.200 Mc/s
+Papagiannis, M. D. 5=13320, Space radio noise and earth
Papagiannis, M. D. + 5=13517, Ionospheric focusing
+Papas, C. H. 5=4945, E. m. radiation in moving media
Papée, H. M. + 5=3402, Ice nucleation and growth
+Papet-Lépine, J. 5=7519, Magnetic storm electron content
Papini, F. + 5=10706, Determination of optical factors, trans-
     parent or absorbent plates
Papini, F. + 5=10708, Electrical analogue of optical films
Papirov, I. I. + 5=3555, Crystallization of beryllium Papirov, I. I. + 5=15097, Be thermal etching
+Papkov, V.S. 5=1533, Plastic deformation of nickel
+Papkov, V.S. 5=6713, Deformation of germanium
+Papkov, V.S. 5=6742, Plastic deformation of nickel
Papkov, V.S. + 5=12128, Al<sub>2</sub>O<sub>3</sub> whisker production
Papoular, R. 5=10659, Impedance matching in optical wave band
+Papp, A. 5=8384, Bohr-Procopiu magneton
+Papp, G. 5=4146, Distribution of secondary electrons
+Pappalardo, G. 5=2835, Scattering chamber
+Pappalardo, R. 5=13057, Reflection spectra of lanthanides
+Papulova, Z. G. 5=12186, Structure investigation by neutron
     diffraction
+Păpureanu, V. 5=743, 4\pi\beta-\gamma coincidences Paquette, G. + 5=5703, Reaction ^3{\rm He}^4\to{\rm C}^{12}
Para, A. F. + 5=5661, Neutron capture \gamma-rays in Pr, Tb, Dy
+Parashar, D. C. 5=3721, Self diffusion of K in KCl
Pardhasaradhi, T. V. 5=5047, Aberration and coma of doublet
Pardoe, G. K. C. 5=13660, World communication satellite
Pardue, W. M. + 5=11947, Volatility of PuO<sub>2</sub>
+Paré, V. K. 5=6703, Cu dislocation breakaway stress
Pare, X. + 5=9860, H<sub>2</sub>O NMR study in Beryl
+Paretzkin, B. 5=3578, Solution-grown ADP
+Parez, J. 5=14692, Electrons in ionization afterglows
+Parfen'ev, R. V. 5=4031, New oscillation of magnetoresistance
+Parfen'ev, R. V. 5=6931, Magnetoresistance of n-InSb
+Parfen'ev, R. V. 5=12740, InSb magnetoresistance
+Parfenova, N. N. 5=9328, Bi_2O_3-metal_2O_3 structure
Paria, G. 5=39, Magneto-thermoelastic solid
+Paria, H. 5=6924, Electrical properties of p—Ge
+Pariiskii, Yu. N. 5=10167, Radio emission from Jupiter
+Parikh, J. C. 5=2567, Born approximation for scattering
     amplitudes
Parikh, J. C. 5=11180, Isospin in pair correlations for (j)^{\mathbb{N}}
Parikh, P. 5=14136, N.M.R. spectroscopy
+Paripov, I.I. 5=1329, Properties of Cr whiskers
+Paris, D.P. 5=2321, Optical bandwidth extension
+Paris, J.P. 5=7063, Secondary emission from CdS
+Parish, R.V. 5=8831, Chemical applications of Mössbauer
effect.I
+Pariskii, Yu. N. 5=4594, Radio emission near nebula N.G.C.7009
Paritskii, L. G. 5=6910, Photoconductivity in semiconductor
Paritskii, L. G. 5=15397, Differential study of relaxation
+Paritskaya, L. N. 5=15069, Interdiffusion in crystalline solids
+Park, J.G. 5=1637, Superconducting transition of zinc alloys
+Park, R. J. 5=9890, X-ray absorption
Park, R. L. + 5=1323, Electron diffraction system
Park, R. L. + 5=3540, Structures of Ni surfaces
Park, Y.S. + 5=7032, Oscillatory photoconduction in CdS
Park, Y.S. + 5=12836, Photoconductivity of ZnSe
+Parke, N. G. 5=4795, Acoustic radiation from cylinder
+Parke, W. C. 5=8120, F-W and Lorentz transformations
Parker, A.W. + 5=11222, Photonuclear giant resonance in Si<sup>28</sup>
Parker, C. A. 5=7412, Triplet-triplet annihilation
Parker, C. A. + 5=8872, P-type delayed fluorescence
Parker, E.N. 5=4658, Solar wind
```

```
Parker, E. N. 5=4681, Dynamical origin of spicules
Parker, E. N. + 5=13597, Discussion: geomagnetic storms
Parker, E. N. 5=13677, Interplanetary energetic particles
Parker, E. N. 5=13773, Coronal hydrodynamics
Parker, E. N. 5=14062, Scattering of charged particles
+Parker, E. R. 5=12671, Superconductivity of metal carbides and
     nitrides
+Parker, E.R. 5=15297, Superconducting critical temperatures
+Parker, E.R. 5=15298, Superconductivity of Mo<sub>3</sub>Al<sub>2</sub>C
Parker, J. B. + 5=8422, Multiple scatter corrections
Parker, J. B. + 5=8640, Monte Carlo scatter corrections
Parker, J. V. + 5=1120, Oscillations in hot plasma
+Parker, K. 5=5658, Neutron cross sections titanium
Parker, P. D. + 5=11213, Energy levels of He4
+Parker, R. 5=9818, Bohr magneton number in Ni ferrite
+Parker, R. L. 5=12088, Solid cylinder growing in diffusion field
+Parker, S. 5=513, Spark chamber pulsing
+Parker, S. 5=14321, Decision-making spark chambers
Parker, S. G. + 5=9280, High perfection InSb
+Parkes, A.S. 5=3654, Structure of triethylenediamine
Parkhutik, P.A. 5=3389, Eutectics in binary alloys
+Parkin, I. A. 5=13646, Variations of satellite scintillation
Parkin, P. H. 5=7854, Weighting networks for loudness estimates
Parkin, P. H. + 5=7856, Royal Festival Hall acoustics
Parkinson, M. 5=8417, SU(3) and SU(4) in p-N annihalation
Parkinson, D. H. 5=14051, Powerful magnetic fields
Parkinson, W. H.+ 5=110, Temperature in shocked powders
+Parkinson, W.H. 5=2904, Autoionization lifetime of Al I doublet
Parks, J. K. 5=10339, Optical-correlation a.f. detector
Parks, R.D. + 5=6903, Superconducting bridge
+Parks-Smith, D.G. 5=1015, Intermolecular vibrational energy
+Parlange, J. Y. 5=11872, Surface tension of liquids
+Parlier, B. 5=11146, Cosmic-ray electron flux
Parmenter, R.H. 5=6854, Superconductivity dependencies
Parmenter, R.H. 5=6864, Superconductor electrodynamics
+Parovik, N. M. 5=14343, Pulse amplitude ratios
+Parr, R. G. 5=892, Hartree-Fock wavefunction for He
+Parr, R. G. 5=941, Hellmann-Feynman theorem
 +Parr, R. G. 5=5747, Electron correlation in helium atom
Parr, R. M. + 5=2572, Complex γ-ray spectra
+Parravano, G. 5=13163, O2 chemisorption on RuO2
Parrent, G. B., Jr. + 5=5090, Fraunhofer diffraction patterns
Parrish, W. 5=3605, X-ray powder diffractometry
+Parry, J. K. 5=10985, Gamma ray spectrometer
Parry, L. G. 5=2010, Elementary science teaching
Parry, L. G. 5=9798, Magnetite powder magnetism
 +Parshad, R. 5=14117, Microwave measurements
+Parshin, A. Ya. 5=15306, Superconducting thermal switches
Parsignault, D. 5=5589, Decay of Au198 and Hg19
Parsons, J. R. + 5=4152, Ion flux from emission filament
+Parsons, M. K. 5=10526, Perturbation of cavity resonators
Parsons, R. 5=4402, Kinetics of electrode reactions
 +Parsons, W. F. 5=5008, CaF<sub>2</sub>:Dy<sup>2+</sup> laser
Parsy, F. 5=13910, Diffraction of elastic waves
Parthasaradhi, K. + 5=785, Cross-sections of y-rays
Parthasaradhi, K. +5=787, Cross-sections of γ-rays
 Parthasarathy, R. + 5=13432, Relationships during polar cap
      event
 +Parthasarathy, R. 5=13488, D electron profiles during auroras Parthasarathy, R. + 5=15736, Radiowave absorption in auroral zon
 Parthasarathy, R. + 5=15745, Radiowave absorption in aurora
Parthasarathy, S. + 5=1336, Bijvoet differences
 Parthasarathy, S. + 5=15001, Phase distribution in crystals
+Parthé, E. 5=1387, Sc_9Ga_3 and Y_5Ga_3
Partlow, W. D. + 5=13121, Fluorescence decay of Pr^{3+}, Nd^{3+}, and Sm^{2+} in LaCl<sub>3</sub>
 Partridge, J. A. + 5=13127, Alkali halide thermoluminescence
Partridge, P. G. + 5=1295, Twin boundaries in metals
Partridge, P. G. 5=3828, Twins round indenter
 +Partsakhashvili, G. L. 5=8783, Column for isotope separation
 Parvov, V. F. 5=12093, Apparatus for growing crystals
 Parvov, V. F. + 5=12119, Growth rate of KgCrgO7
 +Parzen, G. 5=519, Mura electron accelerator I
Parzen, G. 5=523, Mura electron accelerator. V
 +Parzen, G. 5=524, Mura electron accelerator. VI
 Pascal, J. + 5=12654, Electrical resistivity of o-U
 +Pascal, J.S. 5=7097, Spin-spin coupling in binuclear complexe
 Pascaru, I. 5=13654, Stability of earth satellite
 +Pascat, B. 5=5854, Emissions from P2
 +Pascat, B. 5=5870, Emission spectrum of PH<sub>2</sub>
 +Pascaud, C. 5=629, K^{\circ}\beta decay +Paschali, C. E. 5=9269, Device for cleaving crystals
```

```
Physics Abstracts 1965 - Part I (Jan.-June)
+Pasculescu, D. 5=3597, Diffraction absorption in cylinders
Pasechnik, M. V. + 5=14342, AIM A-2 pulse analyzer
Pashchenko, V. P. + 5=11685, Plasma conductivity
+Pashinin, P. P. 5=10634, "Sparks" in laser focussing
+Pashinin, P. P. 5=10639, Ruby laser
+Pashkovskii, M. V. 5=3775, Coagulation of F-centers in KCl
+Pashkovskii, M. V. 5=12425, F-centre coagulation in KCl
Pashley, D. W. 5=3496, Thin metal specimens
Pashley, D. W. 5=3612, Applications of electron microscope
Pashley, D. W. + 5=9246, Au and Ag films
+Pasichnik, Yu. A. 5=12831, Photoconductivity and noise of
      PbS lavers
+Pask, J. A. 5=3837, Mechanical behavior of CsBr
+Pask, J. A. 5=6227, Vapour pressure of MgF,
+Paskin, A. 5=3983, Surface superconductivity. I
+Paskin, A. 5=9503, Fission-tracks in metal films
Paskin, A. 5=11996, Polar model of alloys
Paskin, A. + 5=12672, Ginzburg-Landau coefficient in super-
     conductors .
+ Pasma, P.J. 5=817, Neutron capture and transmission
Pasquantonio, F.D. 5=577, Monokinetic neutron waves
+Pasquier, R. 5=11121, \Lambda^{\circ} \beta decay
+Passaglia, E. 5=3510, Ellipsometry of adsorption
+Passaglia, E. 5=3742, Dislocations in polymers
Passaglia, E. + 5=7295, Optical properties of films
+Passari, L. 5=7099, Magnetism research with neutrons
+Passari, L. 5=12562, Temperature and internal friction of Zn
+Passchier, A. A. 5=11879, Thermodynamics of HCl-KCl
+Passe, S. 5=502, Solid detectors
Passeron, E. J. 5=3354, Ionic motion in aqueous solution
Passmore, E. M. + 5=15141, Strength, grain size and porosity in
     Al<sub>2</sub>O<sub>3</sub>
+Passow, C. 5=14509, Shielding studies in steel, II
+Pasternak, J. 5=1471, Imperfections in LiF
+Pasternak, R. A. 5=6116, Ion gauge calibration
Pastine, D. J. 5=3698, Equation of state for FCC metals
Pastori Parravicini, G. 5=9985, Electroluminescence of ZnS
Pastrňák, J. + 5=3553, Morphology and growth of Al N
+Pastrňák, J. 5=9939, Luminescence of AlN
Pasyuk, A. S. + 5=10506, Cyclotron source of Ne ions
Pásztor, E. + 5=2612, Neutron generator
Patai, K. 5=15328, InAs electrical properties
Pataraya, A.D. 5=1079, Waves in plasma
Pataraya, A.D. + 5=14719, Weak shock waves in plasma
Patch, R. W. 5=5841, Ultraviolet bands of H2
Patch, R. W. 5=14187, Calibration of spectroradiometers
+Pate, B. D. 5=759, Decay of 20-minute Ag115
+Pate, B. D. 5=8597, Decay of 6 min Te11
Pattee, H. H. 5=3581, Selected area microdiffraction
Patel, A. R. + 5=9270, Trigor patterns in CaF<sub>2</sub>
Patel, A. R. + 5=12085, Etching of calcium fluoride
Patel, A. R. + 5=12086, Etch pits on diamond
Patel, A. R. + 5=12403, Screw dislocations in graphite
Patel, C. K. N. + 5=2286, Laser oscillation of CO
Patel, C.K.N. 5=2992, Vibrational-rotational transitions of CO<sub>2</sub>
Patel, C. K. N. 5=10619, N2-CO2 vibrational laser
Patel, C. K. N. 5=10620, C.W. laser action in N2O
+Patera, J. 5=636. Strange particle production
Patera, J. + 5=5245, Resonances and Regge particles
Patergnani, G. + 5=464, Shrinkage of effective core
+Paternotte, C. 5=6496, Molecular structure of merocyanine
Paterson, S. 5=4391, Light from detonating powders
+Patgaonkar, G. V. 5=10373, Convection in weak electrolytes
Pati, J.C. + 5=2666, |\Delta T| = \frac{1}{2} rule in nonleptonic weak decays
Patil, S. H. 5=2648, S-wave \pi\pi interaction
Patil, S. H. 5=2657, 1^{\circ} for B meson
Patil, S. H. 5=2674, \pi\pi Interaction, K_1{}^{\circ}K_2{}^{\circ} mass
Patochka, I. + 5=11083, \pi^{\circ}—N interactions
 Paton, B. E. + 5=9241, Self-cleaning of metals
+Paton, J. E. 5=10780, Self-consistent, nonedegenerate multiplets
+Patrick, J. L. 5=6498, Stability of crystal lattices
 Patrick, L. + 5=13125, Luminescence of 4H SiC
+Patrick, R. M. 5=11698, Thomson scattering for plasmas
+Patrikeev, Yu. I. 5=12515, Dislocations, yield point of LiF
+Patten, C.G. 5=732, Energy levels of Gd<sup>156</sup>
+Patterson, A., Jr. 5=3358-9, Metal-NH<sub>3</sub> electronics. I-II
+Patterson, A., Jr. 5=14861, Na-NH<sub>4</sub> solution conductance

+Patterson, J. D. 5=15108, Z-1 color center calculation

Patterson, J. D. + 5=5479, Energies of N-nucleon systems
```

+Patterson, P. L. 5=8950, Mobilities of ions in helium Patterson, R. L. + 5=1296, Internal twinning in martensites +Patterson, T. N. L. 5=4504, Night-time F-layer Patterson, W. R. + 5=4045, Tunneling current structure +Pattoret, A. 5=9189, Thermodynamic data of U compounds +Pattyranie, C. 5=15172, Stress relaxation in Mo +Pattyranie, C. 5=15180, Stress relaxation in polymers. IV Patwardhan, P. K. 5=14395, Variable reactance gain control +Paty, M. 5=5321, Neutrino interactions Paul, A. K. + 5=13542, Topside sounder ionograms Paul, B. + 5=4309, Polarizing effect of InSb in i.r. Paul, D. A. L. 5=559, Annihilation of positrons in Ar Paul. H. 5=10014, Magnetic beta-spectrometer Paul, H. G. 5=5707, Coolant cycle of nuclear plants Paul, M. 5=14123, Altering microwave transmission Paul, P. + 5=8679, Radiative capture of He³ by Li⁷ Paul, P. + 5=8680, Search for resonances in Li⁷(He³, a) Paul, W. 5=9616, Electrical properties of metals and semi-Pauli, E. + 5=598, Deuteron as nucleon target Paulikas, G. A. + 5=13406, Electron precipitation into atmosphere +Paulikas, G. A. 5=13408, South Atlantic magnetic anomaly +Paulson, J. F. 5=11624, Joshi effect +Pauthenet, R. 5=4212, Rare earth garnets +Pauthenet, R. 5=7082, Fe-Cr alloy magnetic properties +Pauthenet, R. 5=7116, Rotation of spins in cobalt +Pauthenet, R. 5=7122, Magnetic structures of Cr₃X₄(X=S, Se, Te) +Pauthenet, R. 5=7140, Magnetic order of MnYO3 +Pauthenet, R. 5=7184. Magnetic structure of GeNi,O, +Pauthenier, M. 5=13603, PC 1 geomagnetic oscillations Pauty, M. 5=15421, Photoelectric effect in gold films +Pavelka, C. 5=2087, Motion of forced vibration +Pavlenko, Yu. G. 5=2585, Damping in weak interactions +Pavlichenko, O. S. 5=11703, Plasmoid spectroscopy +Pavlichenko, I. M. 5=5503, EM transitions in deformed nuclei + Pavlik, B.M. 5=4285, Impurity centre light absorption +Pavlik, B. M. 5=4286, Impurity centre light emission +Pavlik, B. M. 5=4200, Impurity centre light emission +Pavlik, B. M. 5=13022, Spectra of impurity centres +Pavlinchuk, V. A. 5=2851, Resonance widths of U²³³ and Pu²³⁹ Pavlinov, L. V. + 5=3719, Selfdiffusion of Mo +Pavlov, L. P. 5=1698, Photocurrent of cadmium sulfide +Pavlov, L. P. 5=12192, CdS crystal structure +Pavlov, L. P. 5=12726, Currents in CdS films +Pavlov, N. N. 5=9526, Ternary semiconducting alloys Paylov, P. V. + 5=1445, Diffusion of antimony in silicon Paylov, P. V. + 5=12316, Surface diffusion coefficient Pavlov, V.I. + 5=12947, Magnetization reversal in Mg-Ni-Mn ferrite +Pavlov, V.S. 5=14888, Gd and Dy vapour pressures +Pavlova, G.V. 5=6692, Plastic deformation of Al–Ag alloy +Pavlova, N.P. 5=5338, 19.8 GeV/c $p^{\rm t}$ s in emulsion Pavlovskaya, E.D. 5=4552, Determination of solar velocity Pavlovskaya, V. S. + 5=12997, N. M. R. study of Al-Ag +Pavlovsky, F.A. 5=511, Particles ionization power +Pavlovsky, F.A. 5=512, Spark chamber Pavlyuk, A.O. + 5=15278, Electrical conductivity of Fe-50%Ni Pavone, D. + 5=10199, Combustion bomb with a window Pawel, H. + 5=5023, Reflector for Q-switched laser Pawel, R. E. + 5=6385, Crystallization of Ta and Nb oxide films Pawel, R. E. + 5=12337, Nb95 diffusion into Ta Pawel, R. E. + 5=15046, Specific heat of Cu, Ni, and Cu-Ni alloys +Pawlek, K. 5=12833, Mobility of illuminated Se +Pawlowicz, A. T. 5=9326, Films of solidified gases +Paxton, H.W. 5=3713, Diffusion in B.C.C. metals +Paxton, H. W. 5=6540, Free energies in Fe-Ni +Paxton, H. W. 5=12007, Austenite growth in Fe-N Payen de la Garanderie, H. 5=7404, Fluorescence of ZnS, CdS and Mn-amine complexes Payen de la Garanderie, M. H. 5=13134, Mn bromide-amine hydrobromide luminescence Paymal, A.J. + 5=6717, Elastic properties of glasses Payne, F. A. 5=1929, Ambient sea noise Payne, H. 5=10292, Dirac density matrix Payne, R. T. 5=1411, Shift of phonon energies in Ge +Pazhin, Yu. F. 5=5352, n-n S-interaction +Pazhin, Yu. F. 5=5453, p angular distribution in D(n,p)2n Peacock, N. J. 5=1109, Spectra in theta pinch Peak, L.S. + 5=769, High-energy nuclear interactions +Peaple, L. H. J. 5=2759, Contamination control of Pu²⁴¹ +Pearce, A. F. 5=12838, Conference on electron emission +Pearce, C.D. 5=8890, Propylene and indene oxide n.m.r.

+Patterson, J. H. 5=12018, TlNO $_3$ transformation mechanisms +Patterson, J. R. 5=5686, Excitation function for $C^{12}(He^3, n_0)O^{14}$

```
Pearce, M. L. + 5=14835, Miscibility of liquid Na_2O-SiO_2-Na_2SO_4
Pearce, R. M. + 5=11138, Sensitivity of neutron monitors
Pearce, W. A. 5=14457, Ohmura method of potential deduction
Pearl, J. 5=1622, Current distribution in superconductors
+Pearlstein, E. A. 5=12796, Ionic conductivity in crystals
+Pearman, G. T. 5=12294, X-ray characteristic temperature of
+Pearsall, G. W. 5=12683, Superconducting Nb<sub>3</sub>Sn
Pearson, A.D. 5=1642, Semiconducting glasses
Pearson, A.D. + 5=13111, Nonradiative energy exchange
+Pearson, C.J. 5=10881, Regge pole parameters
+Pearson, G.L. 5=3441, Thulium-gallium arsenide
+Pearson, G. L. 5=12712, Hall measurements
+Pearson, J. D. 5=546, F^{19}(d, n_{\gamma})Ne^{20} pulse discrimination
+Pearson, J.D. 5=715, E3 transition in Ne<sup>20</sup>
Pearson, J. J. 5=15445, Ferromagnetic thin film
Pearson, J. T. + 5=11794, Gas-supported Puck theory
Pearson, M. J. + 5=13141, Decomposition of ethyl series
Pearson, S. + 5=10210, Robust torsion balance
+Pearson, W. B. 5=9346, Tetragonal PtMn phase
+Pearson, W.B. 5=9761, De Haas-van Alphen effect
+Pearson, W. B. 5=12011, Constitution of (PdTe-PdTe<sub>2</sub>)
+Peart, M. 5=13539, Diffusion in F2 region
Pease, L. F. + 5=14936, Ta-Zr phase diagram
Pease, M. C. 5=7718, Rotational system in Lie algebra
Pease, R. F. W. + 5=7963, Scanning electron microscopy
Pease, R. F. W. 5=10494, Reflected electrons in a microscope
Peaslee, D. C. 5=5230, Two-body amplitudes
Peat, D. W. 5=7591, H\alpha photometry of late stars
Peat, D. W. 5=7592, Photometry of Ca<sub>1</sub> triplet in late stars
+Pebay-Peyroula, J. C. 5=6252, Mössbauer effect of Fe-Ni
+Pebay-Peyroula, J. C. 5=11451, Zeeman coherence
+Peccei,R. 5=13120, Fluorescence lifetime of MgO: V<sup>2</sup>
+Pechii, K. T. 5=5879, Emission spectra of organic molecules
Pechter, L. S. + 5=7824, Frequency response of mechanical
     systems
Peck, E.R. + 5=1156, Dispersion of argon
+Peck, L. 5=10953, Particle trajectories in acceleration tubes
+Pecker, J.C. 5=4567, Utilization of curves of growth
Pedanov, V.V. + 5=14684, Discharge energy measurement
+Peden, D. N. 5=7771, Time in a vibrating system
Pedersen, A. 5=13492, Ion concentrations in D-region
Pedersen, B. + 5=6596, H in Ta—H system
Pedersen, M. A. + 5=7844, Underwater sound propagation
+Ped'ko, A.V. 5=1608, Magnetoelectric phenomena in gadolinium
+Ped'ko, A.V. 5=7125, Magnetic properties of gadolinium
+Peebles, P.J.E. 5=13668, Cosmology and Newtonian mechanics
+Peed, W. F. 5=1129, Beam-plasma interaction
Peek, B. M. 5=7635, Rotation periods on Jupiter
Peek, N. F. + 5=732, Energy levels of Gd156
Peelle, R. W. 5=8324, Coincidence-circuit efficienty
Peersen, E. + 5=6951, Semiconducting organic complexes
Pegel, B. 5=9504, Particle channelling model
+Pehl, R. 5=11193, Isobaric multiplets
+Pehl, R. H. 5=5267, Z=1, 2 particle identifier, >10 MeV
+Pehl, R. H. 5=5523, T=2 states in Tz=01 nuclei
Pehl, R. H. + 5=5687, C^{12}(\alpha, d)N^{14} reaction
+Pehl, R. H. 5=8514, Completion of mass-9 quartet by \rm C^{12}(He^3,\,He^6)C^9
+Pehl, R. H. 5=14388, Particle identifier technique
+Pehlke, R.D. 5=9093, Activity in Pb-base liquid alloys
+Peibst, H. 5=14950, Texture of CdS films
Peierls, R.E. 5=10751, Development of quantum theory. I.
+Peierls, R. F. 5=5231, High-energy scattering
Peiffer, H. R. + 5=3569, Growth of silver with alumina
+Peil, A. 5=572, H.T. source for neutron generator
Peirce, A.D. 5=13318, Acoustic-gravity waves in atmosphere
Peisl, H. + 5=15090, Defects in n-irradiated LiF
Peissker, E. 5=12494, Cross slip and stacking faults in Cu alloys
Peitschmann, H. 5=425, \omega-\varphi mixing
+Pekalo, M. P. 5=408, Strongly interacting particles
Pekar, S.I. + 5=1483, Electron centres in crystals
+Pekar, S. I. 5=3943, Energy of surface excitons
+Pekar, S. I. 5=15529, Optical coefficients of crystal plates
Pekar, S. I. + 5=7194, Crystal resonance in inhomogeneous fields + Pekarek, H. 5=5723, Cross-section for spectrum indicators
+Pekeris, C. L. 5=10367, Heat transport between plates
                  5=11427, 23P and 33P He states
+Pelah, I. 5=9713, Hydrogen modes in KH<sub>2</sub>PO<sub>4</sub>
+Peletminskii, S. V. 5=12306, Transfer phenomena in metals +Peletminskii, S. V. 5=12640, Thermomagnetic phenomena in
     metals
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+Pellam, J. R. 5=10412, Wave-mode modification in He
 +Pellas, P. 5=10116, Cosmic-ray tracks in meteorite
 +Pellat, R. 5=6041, Stability of solutions Vlasov equation
 +Pellat, R. 5=9005, Stability of plasma
 +Pellat, R. 5=14766, Stability of cylindrical constrictions
+Pellegrin, J. L. 5=8359, Cosmotron generator system
+Pellegrini, F. 5=2846, The S^{32}(He^3,\alpha)S^{31} reaction +Pelletier, C. 5=8474, K^{-}P \rightarrow K^{*}N and KN* at 3 GeV/c
 Pelletier-Allard, N. 5=13045, Zeeman effect in CoCs<sub>3</sub>Cl<sub>5</sub>
+Pellett, D. E. 5=567, p + p \rightarrow d + \pi^+ reactor
Pelloux, R.M.N. + 5=1504, Tension-compression fatigue machin +Peltola, E.I. 5=10018, Nucleon core phenomena. II
 +Pemsler, J.P. 5=1997, Vacuum-distilled beryllium
 Pemsler, J. P. 5=9413, O2 diffusion in Hf
 +Pen We-yen. 5=2261, Scattering by polygonal cylinders
Penchina, C. M. 5=4106, Optical beating in photoconductors
Pender, K. R. 5=2169, Glass cryostat for photoconductive detector
Pendlebury, E.D. 5=578, Neutronics problems
Pendlebury, E. D. 5=576, Reducines provided in As<sup>75</sup>. P<sup>31</sup> and C. Pendlebury, J. M. + 5=2905, Hyperfine structure in As<sup>75</sup>. P<sup>31</sup> and C.
Pendlebury, J. M. 5=2906, Hyperfine structure constants for As' +Penengo, P. 5=10973, Intermediate boson search +Penengo, P. 5=11157, Cosmic radiation in Mont Blanc +Penfold, B. R. 5=9345, Crystal structure of \beta-P<sub>4</sub>S<sub>7</sub>
Penhallow, W.S. + 5=4442, Shallow-water ambient noise
+Penin, N. A. 5=7248, Donor e.s.r. in Si
+Penin, N. A. 5=15505, E. P. R. spectra in Si Pen'kov, I. N. + 5=15523, N. Q. R. in proustite and pyrargyrite
Pen'kov, N. V. 5=2020, Non-linear equations
Penn, T.C. + 5=2208, Measurement of weak fields
 +Penné, J. 5=15042, Acoustic paramagnetic resonance
 +Penne, J. 5=6524, Ultrasonic waves in MgO: Fe<sup>2</sup>
 +Penner, S. S. 5=1153, Thermal conduction in air
 Penner, S. S. 5=8803, Inversion in molecular electronic system
Penner, S. S. + 5=8827, Absorption and emissivity for CO<sub>2</sub>
Penner, S. S. 5=14887, Evaporation of solid by laser rays
 +Penner, S. S. [Ed.]5=14588, International Conference on Opacitie
Penney, R. 5=59, Duality invariance and Riemannian geometry
Penney, R. 5=2403, Algebra of Dirac bilinears
Penney, R. 5=10258, Classical electron in general relativity
 Penrose, R. + 5=4737, Relativistic energy conservation
 Penrose, R. 5=10242, Zero rest-mass fields
 Penrose, R. 5=13688, Gravitational collapse and singularities
 Penrose, R. 5=13861, Plane waves in general relativity
+Penselin, S. 5=14602, Hyperfine structure of Lu<sup>176m</sup>
Penston, M. V. 5=7573, Pre-main sequence evolution
+Pentin, Yu.A. 5=3025, Vibrational spectra of 1, 3-butadiene-de
Penzias, A.A. 5=8005, Noise source in 4-kMc waveguide
 +Penzin, Yu. G. 5=7390, Electroluminescence of diamonds
+Penzina, E. E. 5=7390, Electroluminescence of diamonds
Pepper, R. T. + 5=11992, Sodium—uranium—oxygen system
Pepper, S. V. + 5=10843, Intermediate-vector-boson interactions
+Peppers, N.A. 5=307, Image synthesis
Peradejordi, F. 5=3018, Calculation of molecular wave
      functions
Perakis, N. + 5=1723, Magnetic behaviour of (DNA)
 +Perano, J. L. 5=3398, Thermodynamics of Li<sub>2</sub>CO<sub>3</sub>, K<sub>2</sub>CO<sub>3</sub> and
 +Perche, J.C. 5=13781, Fe XIII in coronal conditions
Percus, J. K. 5=70, Transitional methods
Percus, J. K. 5=72, Superfluids
Percus, J. K. 5=82, Many-body problem
Percus, J. K. 5=2062, Multiple scattering methods
 +Percus, J. K. 5=2713, Finite many-particle system
 Percus, J. K. 5=4760, Many-body systems—collective methods
 Percus, J. K. 5=4762, Normal states of matter
 +Percus, J. K. 5=7800, N-particle variational problem
Percus, J. K. + 5=7804, Many-body problem
 +Perdue, C. R. 5=6216, Shock-induced freezing of water
Peregud, B. P. + 5=3109, Electric rupture
 +Perekalina, T. M. 5=12943, Magnetic anisotropy in
       {\rm BaCo_{1,5}Fe_{16,5}O_{27}}
 +Perel, J. 5=13048, Fine structure of K edge of Ga
 +Perel', V.I. 5=2912, Scattering of resonance radiation
 +Perel', V. I. 5=11466, Relaxation of atoms
 +Perel'man, A. Ya. 5=6204, Indicatrix for "soft" particles
+Perelygin, V. P. 5=5812, Isotope 104<sup>280</sup>
 +Perelygin, V. P. 5=8685, Synthesis of element 104
Perelygin, V. P. + 5=10944, Radiography of nuclear fission
 +Perelygin, V. P. 5=10948, Recording of nuclear fission
Perepechko, I. I. 5=13947, Propagation of sound in heat conducti
       medium
 Peres, A. 5=43, Constancy of e2/hc in gravitational field
 Peres, A. 5=388, Energy-momentum tensor
```

eres, A. 5=389, Electromagnetic potentials eres, A. + 5=2058, Quantum ensemble measurement eres, A. 5=5147, Anomalous spinor equations Peres, A. 5=5222, Polarized fermion scattering Peres, A. 5=8203, Feynmann diagrams without field theory Peres, A. 5=10263, Nongeodesic motion in general relativity Peres, A. 5=10776, Removal of infrared divergences Peretti, J. + 5=3666, Scattering of neutrons by point defects Perevertaev, V. D. + 5=14947, Measuring thickness of films Perez, G. 5=12077, Mn orthosilicate, orthothiogermanate Perez, M. 5=9206, Electric quadrupole interaction Perez, R. 5=10079, Radioactive precipitation Perez y Jorba, J. P. + 5=593, Electroproduction of π° Perez y Jorba, J. P. 5=2805, Be⁹ Quasielastic spectrum
Perez y Jorba, M. + 5=14908, Structure of Sr_nZr_n_O_{3n-2} Perez-Mendez, V. 5=2541, Scanning system for spark chambers Perfilov, N. A. 5=2816, Li⁸ production from Pb by p's Peri, J. B. 5=13164, Surface hydration of γ -Al₂O₃ Peri, J. B. 5=13165, Model for surface of γ -Al₂O₃ Peri, J. B. 5=13166, Adsorption of NH₃ on dry γ -Al₂O₃ Perina, J. 5=5030, Coherence of functions Perio, P. 5=6455, Crystallographic study of AuCuII +Perio, P. 5=12235, UO₂ structure after quenching Perkin, J. L. + 5=5644, Gamma spectra from neutron interactions +Perkins, D. H. 5=5321, Neutrino interactions +Perkins, D. M. 5=4044, Metal-semiconductor barrier-height Perkins, R. B. + 5=5354, Polarized and unpolarized neutrons +Perkins, R. B. 5=8691, Pu fission anisotropy +Perkins R. S. 5=6832, Zero-charge potentials of metals Perkins, R. W. + 5=4732, Mechanical dislocations Perkins, W. A. + 5=2211, Magnetic field code Perkins, W. A. 5=10976, Neutrino theory of photons Perkins, W. G. + 5=6243, Crystal-field in Yb3+ chelates +Perl, M. L. 5=567, p + p \rightarrow d + π^+ reactor Perl, M. L. + 5=611, π + p elastic scattering +Perlin, Yu. E. 5=1483, Electron centres in crystals +Perlman, H. S. 5=8207, Schroedinger and Heisenberg pictures Perlman, M. M. + 5=12808, Charge decay of electrets Perlman, S. S. + 5=4048, p-n Heterojunctions +Perlmutter, A. 5=11350, $\Sigma\pi$ production by K⁻ in nuclei Perlow, G. J. + 5=11974, Quadrupole moment of I¹²⁷ +Perlwitz, H. 5=6340, Crystal orientations in deformed copper +Perlwitz, H. 5=9261, Orientation distribution in metals +Pernoux, E. 5=12152, Semiconductor surface dipole layer Perny, G. + 5=9244, Cu oxide films by sputtering +Perreau, J. M. 5=8473, K (725) in K⁺p interactions at 3 GeV/c +Perrin, A. 5=14451, He 5 disintegration α angular distribution +Perrin, B. 5=4895, Coils for > 300 kG fields +Perrin, C. 5=5655, Be9 and Be8 in the Be9(n, 2n) +Perrin, M. 5=8021, E.P.R. spectrometer Perrin, N. + 5=4895, Coils for > 300 kG fields +Perrin, N. 5=14504, Conversion electrons in W^{177} decay +Perrin, P. 5=5655, Be 9 and Be 8 in the Be 9 (n, 2n) +Perrin, R. 5=5779, Impact 1s-2p excitation of H atoms +Perring, J. K. 5=625, 2π decay of K, meson +Perring, J. K. 5=11029, N-N phase shifts near 50 MeV +Perrot, M. 5=10708, Electrical analogue of optical films +Perry, B. W. 5=5539, Spin and moments of Cd113 +Pershan, P.S. 5=8072, Light modulation experiments +Person, W.B. 5=4302, Absorption bands in CO2 and N2O +Persson, B. 5=4827, Heat transfer on cylinders +Persson, K. B. 5=3151, Plasma diffusion across magnetic field +Persson, L. 5=3363, Holders for aqueous solution cells +Pertel, R. 5=312, Transmittance filter for Hg 1849 A +Perthel, R. 5=7091, Paramagnetic behaviour of Cr hydride +Perthel, R. 5=9343, Structure of ferrites with Mg Pertsev, A.N. + 5=12851, Noise in photomultipliers +Pertsovskii, N.Z. 5=1534, Fracture of metals +Peruzzo, L. 5=5451, Search for two-body Σ^{+} decay +Pervakov, V.O. 5=15278, Electrical conductivity of Fe-50% Ni +Pervaya, T. I. 5=13347, Radiation at 200-400 Km +Pescia, J. 5=7209, Very short relaxation times Pescia, J. + 5=7213, Relaxation times in paramagnetic salts Pescia, J. 5=9854, Spin diffusion Peshkov, V. P. 5=2175, Velocities and vortices in He

+Peter, G. 5=1104, Behaviour of r.f. plasma probe Peter, G. + 5=14077, Image converter of light +Peter, J. 5=5639, Au, Bi, and Th bombarded by protons Peter, M. 5=7070, Electron polarization by magnetic resonance +Peterkop, R. K. 5=923, Collisions of electrons with Li +Peterkop, R. K. 5=5795, One-electron scattering theory +Peterlin, A. 5=3095, NMR observations of drawn polymers. IV Peterlin, A. + 5=3381, Polyethylene suspensions Petermann, A. 5=11062, Strangeness and meson mass formula Pétermann, L. A. 5=6119, Ion identification in vacuum Peters, C. J. 5=7741, Analog representation of potential fields Peters, C. J. 5=10723, Light depolariser Peters, E. T. + 5=12175, Kossel line X-ray studies +Peters, E. T. 5=13793, Pressure-casting of refractory alloys Peters, H. E. + 5=10211, H maser and Cs beam frequency comparison Peters, H. E. + 5=10616, H maser and Cs beam +Peters, L., Jr. 5=10546, E. M. scattering by gyrotropic cylinders Peters, L., Jr. 5=10547, Radar cross sections of plasma bodies Peters, P.C. 5=2042, Gravitational radiation Peters, T. 5=11768, Plasma acceleration in supersonic stream +Petersen, J. D. 5=14635, Spectral tables, I, diatomic molecules +Petersen, J.O. 5=15795, Calculations of stellar models Petersen, R. L. + 5=15108, Z-1 color center calculation +Peterson, A. M. 5=13388, Radiation from auroral electrons Peterson, D. G + 5=4991, Modulation of laser resonators +Peterson, F. L. 5=528, Mura electron accelerator. X Peterson, F.L. + 5=530, Mura electron accelerator. XII-XIV +Peterson, F. L. 5=533, Mura electron accelerator. XV Peterson, G. E. + 5=1844, Electro-optic properties of LiNbO₃ + Peterson, G. E. 5=13111, Nonradiative energy exchange +Peterson, J. 5=5003, Mercury-rare-gas visible-u. v. laser +Peterson, J. 5=5006, Pulsed-c. w. xenon laser +Peterson, J. 5=10618, Laser transitions in Ne +Peterson, J. 5=10621, Laser action in O, N and CO +Peterson, J. M. 5=7918, Transistorized voltage regulator Peterson, J. F. 5=14621, Scattering and charge transfer Peterson, L. E. 5=11158, e⁺-e⁻ ratio in precipitation Peterson, N.C. + 5=3280, Emission regulator Peterson, N.L. 5=1444, Self-diffusion in palladium Peterson, N. L. + 5=1448, Diffusion in gamma uranium Peterson, N. L. + 5=15081, Diffusion in U-Nb system Peterson, R. L. 5=12263, Spin-lattice relaxation +Peterson, S. W. 5=6441, Dispersion of slow neutrons in crystals +Peterson, S. W. 5=6443, Three-circle neutron diffractometer Peterson, S. W. + 5=6468, Neutron diffraction study of NiZrH, +Peterson, V. Z. 5=14530, Analyzing power of carbon +Peterson, Yu. V. 5=1191, IR spectra of liquid O and N Petersson, B. 5=11439, NeI, ArI, KrI, XeI lines Petersson, G. 5=10524, Osen's extinction theorem Pethe, V. A. + 5=5260, Efficiency of coincidence tritium counter Petiau, G. 5=10766, Particle-field quantum theory Petiau, J. + 5=7000, Defects and dielectric dispersion of LiF +Petinov, V. I. 5=12986, Finely dispersed Li e. s. r. +Petit, F. 5=5020, Filamentary modes of crystal laser +Petit, J. L. 5=4869, Measurement of Peltier coefficient Petit, P. + 5=7253, E.S.R. of NaNO, Petit, R. + 5=7999, Diffraction by network +Petkov, I. Zh. 5=851, Complete combination of nuclei +Petkovšek, J. 5=4092, Ferroelectric Rochelle salt +Petkovšek, J. 5=9715, Ferroelectric transition in Rochelle salt +Petlock, J. D. 5=13394, Auroral absorption events +Petmezas, G. 5=11119, $Y\overline{Y}$ production +Petran' V. I. 5=10943, Spark chamber Petras, M. 5=8402, Magnetic moments of nucleons Petráš, M. 5=10215, Complete Jost functions +Petrash, G. G. 5=8055, Pulsed laser using hydrogen +Petrauskas, A. A. 5=9255, Desorption of Sr from W +Petravić, M. 5=1113, Larmor radius for mirror machines +Petrenko, M. S. 5=15278, Electrical conductivity of Fe-50% Ni +Petrenko, V. I. 5=1043, Radiation from Ar arc +Petrenko, V. V. 5=10960, Linear accelerator for electrons +Petříček, V. 5=7279, Dynamic polarization of protons +Petrin, A. I. 5=14953, Epitaxy of Ge films Petros'yants, A. M. 5=8700, Third Conference in Geneva +Petrouskaya, I. V. 5=7605, Rotation of the galaxy +Petrov, A. A. 5=3012, Acetylene hydrocarbon H-bonds Petrov, A.A. + 5=3013, H-bonds of acetylene compounds. V Petrov, A. A. + 5=14669, H bond n. m. r. study. VI +Petrov, A. I. 5=3830, Blocks in metals during creep Petrov, A. V. 5=9398, Thermal conductivity of semiconductors

Peshkov, V. P. + 5=15306, Superconducting thermal switches

+Petch, H. E. 5=4091, Conduction in Li(N₂H₅)SO₄ +Petelin, M. I. 5=11681, Distribution functions of plasma

+Petelin, M.I. 5=11731, Ohmic heating of plasma

+Peter, G. 5=570, Spin correlation in pp scattering

```
+Petrov, D. A. 5=14984, Germanium dendritic growth
+Petrov, D. A. 5=14985, Growth of dendrites in Ge Petrov, G. A. 5=5696, U^{233,235}, Pu^{239} fission \gamma-rays
Petrov, I. K. 5=9073, Density of liquids
+Petrov, I. P. 5=14210, Achromatic half-wave plate
+Petrov, L. A. 5=5579, Proton decay nuclei
Petrov, T. G. 5=12120, Growth of KNO<sub>3</sub> crystals
+ Petrov, V. A. 5=1177, Thermal properties of molten corundum + Petrov, V. M. 5=15315, Semiconducting A_2^{\rm IB}^{\rm IV}C_3^{\rm VI}-type
      compounds
Petrov, Yu. I. 5=3695, Temperature in X-ray scattering in Al Petrov, Yu. I. 5=11995, X-ray camera
Petrov, Yu. I. 5=14876, Melting of Bi, Sb, and Pb
Petrov, Yu. I. 5=15053, Thermal expansion in nickel
 +Petrov, Yu. K. 5=10957, Magnetic field in synchrotron
Petrov, Yu. P. 5=5719, Shut down conditions of reactor
+Petrov, Yu. V. 5=8709, Calculations on H<sub>2</sub>O-H<sub>2</sub>O reactors
Petrova, L. V. + 5=13262, Radiation in cloud development
+Petrova, M. N. 5=13750, Atmosphere of Venus
+Petrova, S. N. 5=15130, Creep of Nimonic alloy
+Petruhin, N. S. 5=13692, Polytrope with magnetic field
+Petrukhin, A. I. 5=10320, Converging shock tube +Petrukhin, V.I. 5=2651, \pi^- Absorption by H nuclei
+Petrunin, G.A. 5=3468, Deformation and recrystallisation of Ni
 +Petrzhak, K. A. 5=14553, n-induced fission of U295, 238
Petržílka, V. A. + 5=1111, HF sealing of magnetic trap
Petržílka, V. A. 5=13289, Ball lightning
Petschek, A. G. 5=13350, Reply [Satellite counter rates]
+Petter, W. 5=1255, Phase of Nb2O5
+Pettersson, B. G. 5=14489, Magnetic lens spectrometer
Pettersson, H. + 5=2785, Positrons in Eu<sup>152</sup> decay
Pettig, M. + 5=8031, Spin generators with flowing samples
+Pettit, G.D. 5=4311, Exciton absorption in InP
+Pettit, G.D. 5=9211, Samarium doped CaF<sub>2</sub> type crystals
+Petukhov, V. A. 5=1192, Spectra of organic B compounds
+Petushkov, A. A. 5=2735, Nucleic \gamma-rays after \beta-decay Petykiewicz, J. 5=7727, Diffracted wave near shadow
Petzinger, K. G. + 5=6891. Field penetration in Nb.Sn
Petzow, G. + 5=6210, Quasibinary system UCo<sub>2</sub>—UAl<sub>2</sub>
 Peube, J. L. 5=6130, Flow of film of fluid over plane
 Peube, J. L. 5=10213, Damping of differential manometer
+Pevsner, A. 5=622, \pi^+-d interactions
 Peychès, I. + 5=3230, Plasma blowpipes
Peyret, R. + 5=3147, Plasma flow as progressive wave
 Peyret, R. 5=11690, Flow equations for plasma
 +Peyrou, Ch. 5=2680, Strange particles production
 +Peyrou, Ch. 5=5328, Principal axis of jets
 +Peyrou, Ch. 5=11119, Y\overline{Y} production
+Peyton, B. J. 5=14140, 8 mm t.w. maser and radiometer
 +Peytremann, E. 5=10137, Catalogue of stars
 +Pfann, W. E. 5=12089, Solute gradient and zone volume
 +Pfeffer, G. 5=13096, Emission spectra of organic
      scintillators
 Pfeffer, K. H. + 5=12346, Point defect production
 Pfeffer, R. 5=7874, Heat and mass transport
 Pfeifer, D. + 5=11275, (\beta, \gamma) directional correlation in Tm<sup>170</sup>
      decay. II
Pfeifer, H. + 5=11915, Liquid n. m. r. surface effect +Pfeifer, H. 5=14868, Proton relaxation in methanol with Mu ions
Pfende, E. 5=100, Comments on vibrations of cylinders
Pfister, H. 5=8214, Relativistic invariance elementary particles
 Pfitzner, A. + 5=5599, Resonance on a direct process
 Phaal, C. 5=9902, Deformed, irradiated diamond spectra
 Phaal, C. 5=12495, Plastic deformation of diamond
 +Phair, H. W. 5=6319, Multiple thin-film deposition
 Phan-Van-Loc. 5=12181, Electron diffraction matrix theory
+Phaneuf, L.E. 5=1467, Dislocation pinning in CaWO, crystals
 Phariseau, P. 5=3911, Structure of disordered lattices
 Phariseau, P. 5=6142, Electronic structure of disordered media
Phariseau, P. 5=6624, Charged dislocation potential
Pharn Van Vui. 5=10451, Power factors of control rectifiers
 Pharo, L. C. 5=7927, VECO 32A8 thermistor
 +Phelan, R. J. 5=1871, Luminescence in InSb
 +Phelan, R. J. Jr. 5=2300, PbTe diode laser
 +Phelan, R. J., Jr. 5=14165, PbSe diode laser
+Phelps, A.V. 5=2916, Momentum-transfer of slow electrons
Phelps, D. H. + 5=11517, Stark effect on OH
Phelps, F. M., III. 5=300, Laser velocity of light comment
 Phelps, F. M., III. 5=10710, Making of spacers for Fabry-Perot
 Philberth, B. 5=13855, Time gradient in relativity
 +Philbrick, C. R. 5=14169, \gamma-ray effects on ruby laser
```

```
+Philbrick, J. W. 5=11461, Resonances in cross-section of He
Philip, J. R. 5=7879, Heat conduction from sphere
Philip, J. R. 5=11849, Capillary hysteresis in porous materials +Philipp, H. R. 5=15547, Optical properties of graphite
Philipps, J. 5=3177, Temperature measurement in plasmas
Philips, C. M. + 5=2191, Two transientfree switches
Philips, T.O. 5=384, Lorentz invariant localized states
Phillip, H.R. + 5=4304, Reflectance data for diamond +Phillips, B. 5=3526, Liquid immiscibility in glass
+Phillips, C.J. 5=3390, Equilibrium in TeO<sub>2</sub>-V<sub>2</sub>O<sub>5</sub>
 +Phillips, E. A. 5=11194, Spin of Na21
 +Phillips, G. C. 5=8305, Computer in a nuclear laboratory
Phillips, G. C. 5=8611, Three-body breakup
 +Phillips, G. C. 5=11361, The Cr^{52}(d, p_{\gamma})Cr^{53} reaction
Phillips, J.C. 5=4288-90, U.V. absorption of insulators. III-V
 Phillips, J. C. 5=12624, Resonances in monovalent metals
+Phillips, J.G. 5=4561, Lithium in carbon stars
 Phillips, L. F. 5=11513, Lifetime of A. 3Σ N.
 Phillips, M. 5=12389, Dislocations in ice
+Phillips, N. E. 5=1419, Heat capacities of \gamma-Mn
 +Phillips, N.E. 5=9382, In and Sn heat capacities
 +Phillips, R. H. 5=11086, Pion-proton cross-section
+Phillips, R. J. N. 5=5353, Damping in n-p charge-exchange
 +Phillips, R. J. N. 5=14445, Hypernuclear forces
Phillips, W. D. + 5=3304, Deuterium resonance of liquid crystal Phillips, W. R. 5=5530, The levels of A^{36}
 +Phillipson, P. 5=5922, (p-\mu-p)^+ Molecular ion
 Phipps, K. D. + 5=6381, Preparation of PuO2 single crystals
 +Phythian, R. 5=5480, Hydrodynamic and shell model
 Phythian, R. 5=11209, Collective states of nuclei
+Piattelli, M. 5=7653, Solar monitoring satellite NRL 1964 1D
+Piattelli, M. 5=7654, Solar brightness at 3 cm
+Piatti, G. 5=14878, Al—Al_2O_3 fusion
+Picard, F. 5=5627, Reaction Li'(p, \alpha)\alpha up to 12 MeV
+Picard, F. 5=8667, Li^6(d, \alpha)\alpha reaction
+Picard, J. 5=5506, p-n interaction for odd nuclei
 +Picard, J. 5=8644, Scattering of 14.6 MeV n by S
 Picard, J. + 5=11339, (n, p) (n, \alpha) and (n, 2n) for F<sup>19</sup> and Na<sup>23</sup>
+Piccioni, O. 5=11359, Deuteron stripping
+Piccirelli, J. H. 5=6554, Thermodynamic properties of KBH4
 +Pichai, R. 5=11547, Molecular force field for SF,
Pichon, G. 5=4741, Relativistic diffusion
 Pichugin, I. G. + 5=12123, SiC crystal production
Pick, R. + 5=1587, Electron structure of metals
Pick, U. 5=7694, Line patterns for photographing +Pick, U. 5=10196, Evaporation source for Ni-Fe
 +Pick, U. 5=10208, Film thickness measurement
 +Pick, U. 5=15456, The Coercive force in permalloy thin films
 +Pickard, W. F. 5=6006, Surface waves on plasma sheath
Pickard, W. F. 5=7435, Electro-dielectrophoretic interaction Pickart, S. J. + 5=7135, Spin density in \alpha-Fe<sub>2</sub>O<sub>3</sub> +Pickart, S. J. 5=4198, Neutron study of hematite
 Pickart, S. J. + 5=7192, Magnetic structure of binary fluorides
 +Picken, J. 5=15874, Observations of radio sun
 Pickering, W. H. 5=13638, Report on Mariner 2
 +Pickup, E. 5=14439, N* resonances
 Pičman, L. 5=10300, Derivation of Boltzmann equation.II
 +Picus, G. S. 5=15360, Tunnel junction barrier shape
 Pidgeon, C. R. + 5=2325, Resolving power of multilayer filters + Piech, T. 5=9712, Double hysteresis loop in BaTiO<sub>3</sub>
 Piehler, H. R. 5=12554, Ag-steel plastic deformation
 Piekara, A. 5=6991, Properties of system of hydrogen bonds
Piekara, A. + 5=9711, Piezoelectric vibrations of BaTiO<sub>3</sub>
 +Piekoszewski, J. 5=3902, Surface recombination in n-Ge
 +Piepenbring, R. 5=2727, E1 transitions
Piepenbring, R. 5=8558, E1 transitions in odd nuclei
+Pieper, W. 5=2065, Quantum mechanical problem
 +Pier, E.A. 5=3059, B^{11} n.m.r. spectrum of B_{20}H_{18}^{-2}
 +Pieragostini, F. 5=9220, Al-Zn pre-precipitation rate
 +Pleragostini, F. 5=12348, Point defects in Al-Sn Pierce, A. D. 5=7845, Sound propagation
 Pierce, A. K. 5=7556, McMath solar telescope
Pierce, C. + 5=1275, Uniform graphite surfaces
Pierce, E. T. + 5=13285, Potential above radioactive ground
  +Pierce, E. T. 5=15675, Fair weather potential gradient
  +Pierce, J. 5=10347, Lateralization at unstimulated ear
 Pierce, W. L. + 5=7945, Magnetic field measurements
 +Piercy, G.R. 5=1491, Ion penetration into W
 +Piercy, J. E. 5=11887, Ultrasonic relaxation and isomerization Piercy, J. E. + 5=11889, U. S. relaxation in isopropyl formate
  +Piermarini, G. J. 5=3529, Vitreous borates
```

ierotti, R. A. 5=11860, Aqueous solutions of nonpolar gases ierrot, M. + 5=6453, Crystallographic data for H₄Fe (CN)₆ iersa, H. 5=13944, Dust figures in Kundt's tube esbergen, U. 5=6555, Thermodynamic properties of rhenium Pietschmann, H. 5=2603, Isospin commutation relations Pifer, A. E. 5=5398, $\pi^- + p \rightarrow \eta^0 + n$ to 1151 MeV Pifer, A. E. 5=14434, π^- p charge exchange ggott, C. L. 5=4443, Ambient sea noise Piggott, W. R. 5=4708, Optical micrometer
Pigin, V. M. 5=5133, Distortion in X-ray collimation Pigulevskii, E. D. 5=13899, Damping in plate Piguzov, Yu.V. 5=6755, Relaxation effect in Ag-Cd iip, A. T. 5=1930, Sound in the ocean Pike, E. R. 5=10305, Thermodynamics of vectorial phenomena, I.

Pike, H. H. M. 5=11790, Interface instability under acceleration

Pikoos, C. 5=9753, Spectral sensitivity for photomultipliers ikel'ner, L. B. + 5=10986, Scintillation (n, v)-detector ikel'ner, S. B. 5=13026, Scintillation detector ikel'ner, S. B. 5=13726, Formation of barred spirals Pikulik, L.G. 5=8871, Electronic spectra of aromatic molecules Pikus, G. E. 5=1718, Magnetic susceptibility ikus, G. E. 5=1821, Optical spectrum of Wurtzite-type crystals Pil Hyon Kim. 5=4698, Laser and e-beam processing ilant, W. L. + 5=13918, Surface waves at a corner filat, I. M. + 5=9723, Thermoelectric silver-doped CdSb ilat, I. M. + 5=12723, Cadmium antimonide with indium riliya, A.D. + 5=3190-1, Cyclotron resonance of electrons. I-II Pilbrow, J. R. 5=6257, Ferric complexes in Ag halides Pilipenko, Yu. K. 5=10400, Hydrogen liquefier ilipenko, D. V. + 5=14694, Ions produced by H atoms ilipenko, V. M. + 5=7414, Conductance of electroluminescent cells Pilippov, A. I. 5=8446, Muon capture in He³ ilkington, T. C. + 5=4195, Curie temperatures in Fe-Co-Ni II. ilkuhn, M. + 5=5009, Effect of temperature on GaAs lasers ilkuhn, M. + 5=13116, Electroluminescence in GaAs_xP_{1-x} Pilkunn, M. H. 5=10632, Emission from GaAs lasers illai, M. G. K. + 5=5873, Properties of SiH, CN and SiD, CN illai, M. G. K. + 5=11547, Molecular force field for SF₄ illing, R. L. + 5=3059, \mathbb{P}^{1} n.m.r. spectrum of $\mathbb{P}_{2n}\mathbb{H}_{1n}^{-2}$ Pillinger, W. L. 5=1237, γ -emission after α -decay Pilyankevich, A. N. 5=14067, Penetration of electrons through solids imbley, W.T. + 5=7983, Refrigerator for field-ion microscope Pimenov, Yu. P. 5=8037, Three-level masers Pimental, G. C. 5=15843, Deuterated water on Mars Pimentel, G. C. 5=4409, Diazomethane from CH_2-N_2 reaction Pimentel, G. C. 5=8119, I.R. spectrometer for flash photolysis Pimentel, G. C. 5=10617, I photodissociation laser Pimentel, G. C. 5=11529, Infrared spectrum for Cl₂O inard, P. + 5=7063, Secondary emission from CdS chard, P. + 5=9937, Electron microscopy of cathodoluminescence Pinchin, B. 5=6064, Two-phase gas/liquid flow incus, P. + 5=6898, Flux distribution in superconductors lincus, P. + 5=9833, Nuclear spin—spin coupling indor, A. 5=571, Angular distributions in $\bar{p}+p \rightarrow \pi + \rho$ Pineo, V. C. 5=13531, Incoherent ionospheric backscatter ines,B.Ya. + 5=15466, Magnetostriction of Ni-Co ferrites Pings, C. J. 5=14829, Apparatus for X-ray studies of liquids ines, D. 5=4767, Collective particle interaction Pings, C.J. 5=3270, Lorentz-Lorenz functions Pinheiro Ribeiro de Castro, M.O. 5=6584, Fe⁵⁹ diffusion in Co Pinkhasik, D. S. 5=5364, Fast neutrons in sodium Pinkhasik, M. S. 5=8713, Fast reactors with Na cooling innock, P.R. + 5=6748, Polyethylene anisotropies Piñon, R. 5=5412, p-wave equation for $\pi = \pi$ scattering Pinot, M. 5=7164, Magnetic structure of FeCr₂O₄. insker, Z. G. + 5=9353, Electron diffraction study of AgBiTe₂ insker, Z.G. + 5=12045, Thin films of Cu₂O inson, W. E. + 5=3903, Hot carriers in p-Ge Pinter, G. 5=8456, π^- -p, π^* -p, K*-p and p-p scattering Piotrowski, E. A. 5=8866, Substituted methanes. XXXVI iotrowski, W. L. + 5=6399, Centrifuge method of cutting crystals Piper, T.S. 5=4308, Spectra of vanadyl anions ipkin, A. C. 5=12457, Deformations of viscoelastic solids Pipkin, F. M. 5=7318, Alkali spectra in rare-gas matrices Pipkin, F. M. 5=7953, Magnetically shielded solenoid Pipkin, F. M. 5=8518, Apparatus for nuclear orientation ippard, A. B. 5=3967, Longitudinal magnetoresistance ippard, A. B. 5=10469, Superconducting magnets iquemal, J. + 5=6134, Method for measuring liquid velocity ragino, G. 5=782, π^* mesons in N

+Pirani, F. A. E. 5=4724, Motion in classical mechanics Pirenne, J.+ 5=6990, Electronic polarisability of crystals Pirenne, J. + 5=7298, Refractivity of ionic crystals Pirenne, J. + 5=13031, Ion polarizability dispersion in alkali halides +Piret. P. 5=6496, Molecular structure of merocyanine +Pirie, M. A. 5=15169, Stress relaxation of Mg alloy +Piringer, O. 5=15625, Poisoning of a catalyst Piriou, B. 5=7349, Optical constants of MgO and α-Al₂O₃ Piriou, B. + 5=15560, Optical constants of magnesia +Pirog, J. A. 5=7348, U.V. transmittance Piróg, M. + 5=8317, Point counter Piron, C. 5=361, Axiomatic quantum scheme Piron, C. 5=14227, 2-particle system quantization +Pisarenko, N. F. 5=10102, Radiation dose aboard spaceships +Pisarenko, N. F. 5=11145, Soft radiation in equatorial region +Pisarenko, N. F. 5=13347, Radiation at 200-400 Km +Pisarev, A.F. 5=570, Spin correlation in pp scattering +Pisarev, A. F. 5=14077, Image converter of light Pisarev, R. V. 5=15579, Absorption spectrum of YFeO3 +Pisarevskii, A.N. 5=12851, Noise in photomultipliers +Pisarevskii, A.N. 5=15564, E. P. R. in Ni-activated crystals Pisarevskii, N. N. 5=13965, Acoustic fields in reverberation chambers +Pisarevskii, Yu. V. 5=2948, Electronic transitions in molecules Piskovoi, V. N. + 5=15371, Nonlinear polarizability Piskovoÿi, V. M. 5=3939, Dispersion frequencies and deformation Pissanetzky, S. 5=8889, Paradichlorobenzene quadrupole relaxation Pistorius, C.W. F. T. 5=6309, Transitions of alkali chlorides Pistorius, C.W. F. T. + 5=9234, Alkali fluoride polymorphism +Pistorius, C. W. F. T. 5=11539, Trigonal bipyramidal chlorides +Pistorius, M. C. 5=11539, Trigonal bipyramidal chlorides +Pistryak, V. M. 5=8984, Plasmoid-magnetic field interaction. II +Pistryak, V. M. 5=8985, Plasmoid-magnetic field interaction. III Pistunovich, V.I. + 5=14708, Electron heating in plasma +Pitcher, H. H. W. 5=2870, Spectra in the ZENITH Pu core 7 Pitlor, J. R. + 5=11826, Vacuum cryosorption pump +Pitsch, W. 5=6340, Crystal orientations in deformed copper Pitsch, W. + 5=9261, Orientation distribution in metals Pitt, D. 5=15645, Electrical conductivity of earth Pittack, V. 5=14595, Pressure broadening of HeI and ArI Pitteway, M. L. V. 5=8013-14, Long radio waves in lower ionosphere. I-II +Pitts, E. 5=15122, Elastic moduli of films +Pitzer, K.S. 5=2881, Atomic integrals Pitzer, R. M. 5=3032, Localized molecular orbitals for $\rm C_2H_8$ Pivovar, L. I. + 5=2234, Li ions in condensed targets Pivovar, L. I. + 5=10907, Ions and scintillation counters +Pivovarov, A. V. 5=11001, X-ray quantometer Pivovarov, L. Kh. + 5=1516, Stresses in copper powder +Piwonka, R. 5=9970, Luminescence of precipitated ZnS +Pkhakadze, M. G. 5=1841, Magneto-optical absorption in Ge +Placious, R.C. 5=2917, K-Ionization of relativistic electrons +Placzek, D. W. 5=13140, Rates of unimolecular decomposition +Plain, K. E. 5=8108, Performance of interference filters Plaksin, I. M. + 5=13807, (α, n_{γ}) reaction thickness measurement +Plane, D. E. 5=8457, π→p s-wave scattering +Plano, R. 5=11125, Σ→Λ relative parity Plass, G. N. 5=8115, Two overlapping lines Plass, G. N. 5=8131, Spectral band absorptance of cells Plass, G. N. 5=11480, Absorption of molecular bands +Plastino, A. 5=737, Conversion coefficients of Pb²⁰² +Plastino, A. 5=8566, K-conversion coefficient of Pb²⁰³ Plato, M. 5=8746, Ar spectrum in u. v. +Plato, M. 5=14667, E.S. R. of ionized tetracene +Platonova, S. G. 5=9734, Thermoelectric refrigerator Platovskikh, Yu. A. 5=863, State of "boiling" reactor Platzman, G. W. 5=9032, Unsteady one-dimensional flow Plebański, J. 5=10255, Tensor of matter Plendl, H. S. 5=8544, Energy level structure of Sc42 +Plendl, H. S. 5=8652, Measurements of (n, γ) cross-sections Pleshanov, A. S. 5=11795, Nozzle gas flow Pless,I.A. + 5=2576, Spark chamber for γ -rays +Pless,I.A. 5=5398, π^- + p \rightarrow η° + n to 1151 MeV +Pless, I. A. 5=10981, γ -p Interactions, 0.5-4.8 BeV + Pless, I. A. 5=11019, N_{33}^* (1238), ρ° production + Pless, I. A. 5=14434, π^{-} p charge exchange Plesset, M.S. + 5=2210, Free energy in fields Pletenetskii, G. E. + 5=14043, Voltage regulator Pletnev, V.D. + 5=213, Charged particle in magnetic field Pletnev, V.D. 5=1943, Density of charged particles

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Pletnev, V.D. + 5=10484, Charged particle motion in magnetic
     field
+Pleve, A. A. 5=10956, Energy of ions in cyclotron
+Pleve, A. A. 5=11347, Spontaneously fissioning Am
+Plewes, J. T. 5=6350, Dissolution of {100} faces of LiF<sub>2</sub>
Plint, C. A. + 5=9914, Light scattering in KCl
+Pliskin, W. A. 5=15370, Stabilization of SiO<sub>2</sub> passivation
Plomp, R. 5=140, Ear as a frequency analyzer
+Plostinaru, D. 5=848, Evaporation spectra of neutrons
+Plotka, V. M. 5=5812, Isotope 104<sup>280</sup>
+Plotko, V. M. 5=8685, Synthesis of element 104
+Plotnikov, A. F. 5=12352, Radiation defects of Ge
+Plotnikov, V. K. 5=14370, Lenses for linear accelerators. I-II
Plotnikov, Yu. I. + 5=14015, Recording electrometer
+Ploughe, W. D. 5=14537, Total reaction cross sections
Plumier, R. 5=6642, Stacking faults in K,NiF<sub>4</sub>
Plummer, A. M. 5=14563, N<sup>17</sup>-decay monitoring reactor power
Plummer, R. D. + 5=4159, Be De Haas-Van Alphen frequencies
+Plummer, W. 5=7641, Composition of clouds of Venus
+Plummer, W. 5=13749, Water atmosphere of Venus
Plunkett, R. 5=35, Mechanical-impedance measurements
Plunkett, R. + 5=7828, Plane waves in a bar
 +Plutchok, R. 5=7849, Scattering theory
+Plutto, A. A. 5=9014, Plasma particle current instability
Pneuman, G. W. 5=14758, Hydromagnetic waves in plasma column
+Pniewski, J. 5=798, Li<sup>8</sup> fragments from emulsion interactions
+Pniewski, T. 5=5499, Decay of heavy hypernuclei
Poberezhskii, L. P. 5=1158, Electrical conductivity of gas jets
Pöcker, A. 5=9790, Magnetic films and storage technology
Pócsik, G. 5=399, Green's function
Počesik, G. 5=10765, Restrictions on vertex functions +Podgoretskii, M. I. 5=5431, Medium effects on K^{\circ}\overline{K}^{\circ} pairs
+Podgoretsky, M.I. 5=575, Nuclear precession of neutrons
+Podgurskava, A. V. 5=590. Generation of \pi^\circ-mesons +Podini, P. 5=9963, Luminescence and absorption spectra of NaF
 Podkladenko, M. V. 5=14811, Emissivity of H<sub>2</sub>O vapour
 +Podkorytova, G. N. 5=15327, Sn electrical activity in Ge
+Podmoshenskii, I.V. 5=1097. Plasma absorption coefficient +Podosenova, N. G. 5=12799, Conductivity of dielectrics
 Podurets, M. A. 5=7570, Brightness at gravitational collapse
 +Podushnikova, K. A. 5=11764, Electron energy in "Alpha
 +Podya, A. I. 5=14966, Vibrating crystals pulled from melt
 +Poe, T. I. 5=12014, Quartz-cristobalite transformation
 Poehler, T.O. + 5=6981, Film transistor characteristics
 +Poelz, G. 5=2581, Neutretto rest mass
 +Poenaru, D. 5=848, Evaporation spectra of neutrons
 Poeverlein, H. 5=3212, Coupling of m.h.d. waves
 +Pogorelov, V. E. 5=1846, Raman scattering in quartz
 +Pogorelyi, O. M. 5=10608, Fluctuations of laser emission
 Pogosyan, Ya. M. 5=15444, Magnetized in the direction
 +Pogozhev, V. A. 5=14031, Source of short pulses
+Pogozhev, V. A. 5=15457, Magnetic reversals of permalloy films
 Pogrushchenko, A. V. 5=12527, Density of Ni-Cr alloys
 Pogutse, O. P. 5=1127, Cyclotron instability of plasma
+Pohl, D. 5=5016, Single modes of Nd-glass lasers
 Pohl, G. 5=3803, Measuring Poisson's ratio Pohl, H. A. + 5=2964, S.C.F. method for \sigma\text{-bonded} systems.I
 Pöhlau, C. + 5=6658, Ion penetration in diamond
 +Pohm, A.V. 5=1751, Dispersion in magnetic films
 +Pohoski, R. 5=9996, Plexigassphosphors in liquid air
 +Pohoski, R. 5=13132, Luminescence of coumarin derivations
 +Poido, M. S. 5=8713, Fast reactors with Na cooling
+Poincelot, P. 5=4953, Diffraction of e.m. wave by cylinder
 Poincelot, P. 5=6139, Diffraction of wave jetty
 Poincelot, P. 5=14105, Electromagnetic diffraction
 Poincelot, P. 5=14106, Equation in electromagnetism and
       electrostatics
 +Poincelot. 5=10542, Diffraction of radiation from dipole
 +Poindexter, J. M. 5=4328, Tm and Er J levels in Y_2O_3 Pointeau, R. + 5=10020, Electrolytic ion formation e.s.r.
 +Poirier, J. P. 5=6696, Deformation and restoration of pure Be
 Pokatilov, E. P. 5=15227, Electron states
+Pokornyi, E. G. 5=9734, Thermoelectric refrigerator
 +Pokrovskii, Ya. E. 5=15332, In and B atoms in Si
 +Polacco, E. 5=4370, Fluorescence in anthracene
 Polak, J. 5=12636, Defects and transport in metals
 Polandov, I. N. + 5=1678, Dielectric properties of Ba (Ti, Zr) O<sub>3</sub>
 +Polanyi, J.C. 5=1902, The hydrogen-chlorine system. II +Polanyi, J.C. 5=13155, Conversion of heat of \rm H+Cl_2 into
       vibration
 Polášek, J. 5=8167, Correction of aniseikonie
 Pole, R.V.+ 5=288, Ruby laser during pulse
                                  A 132a
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+Pole, R. V. 5=8044, Laser deflection with resonator
Pole, R.V. 5=10598, Laser resonator
Pole, R.V. + 5=10635, Bidirectional electrically switched laser
Poletti, A. R. + 5=8542, Levels of F^{18} by O^{16}(He^3, p_\gamma)
Poletto, G. + 5=7659, Solar temperature from CN bands
Policec, A. + 5=7110, Magnetomechanical phenomena
+Policec, A. 5=7145, Magneto-elastic properties of Ni-Co
+Polikanov, S. M. 5=11347, Spontaneously fissioning Am
+Polikarpov, Iu. A. 5=15155, Cu anelastic properties
+Polinski, P. 5=2535, Cancellation of \gamma background pulses
Polistrant, M. E. + 5=1623, Thermodynamics of superconductors
Politycki, A. + 5=12040, Chemical polishing metal deposition
Polkinghorne, J.C. 5=2395, Feynman integrals with spin
Pollack, G. L. 5=1386, Solid state of rare gases.
Pollack, G. L. + 5=10412, Wave-mode modification in He
Pollack, G. L. + 5=12099, Ar crystal growth
Pollack, H. M. 5=15782, Locating celestial objects
Pollack, I. 5=4815, Short-term auditory memory
Pollack, I. 5=4817, Consonants heard in noise
+Pollack, J. B. 5=15844, Venus i. r. limb darkening
Pollack, S. R. + 5=15316, Protective oxide film formation
Pollak, H. + 5=3432, Ionic iron compounds
+ Pollak, H. 5=10025, Be reformation by irradiation
+ Pollak, H. 5=11976, Mössbauer iron experiments
+Pollock, H. C. 5=14748, Low-density theta pinch
+Pollok, J. 5=10308, Rapid deformation measurement
+Polly, F. 5=13098, Triboluminescence mechanisms
Polmear, I. J. 5=3458, Ag and aging of Al alloys
Polonnikov, D. E. 5=14007, Small currents and voltages
Pologrudov, V. V. + 5=7390, Electroluminescence of diamonds
 +Polotskii, I. G. 5=15158, Elastic damping in Cu-Be and
      Cu-In alloys
 Polovikov, F. I. 5=15379, Naphthalene thermoelectrets
Polovin, R. V. 5=2248, Oblique shock waves in m. h. d.
Pol'skii, N. I. + 5=7989, Flow of a conducting gas
Pol'skii, Yu. E. 5=4240, E.P.R. line width of Gd3+ in CaF2
Pol'skii, Yu. E. 5=14131, Cavity for e.p.r. spectrometers
Poluektov, N.S. + 5=4347, Quenching of Eu luminescence
+Polunin, Yu. P. 5=4927, Polarized ion source
+Polunin, Yu. P. 5=14417, Polarized ion source
 +Polyak, Yu. Ya. 5=5982, Conductivity of turbulent plasma
 +Polyakov, V. P. 5=15468, Magnetization of ferrites
 +Polyakova, E. A. 5=15670, Attenuation and scattering of light
      in fog
Polÿkarov, A. 5=2561, Elementary particle masses
 +Polyakov, A. A. 5=11403, U235 fission in monoisopropyldiphenyl
 Polyakov, V. P. 5=10458, Universal magnetometer
 +Polyan'skii, V. K. 5=10684, Polarization in spectral
instruments
+Polyanyi, J.C. 5=1901, The hydrogen-chlorine system. I
 Pomazanov, I. N. + 5=9735, Thermoelectric cooling
 +Pomeranchuk, I. Ya. 5=8273, Remark on high energy scattering
 +Pomeranchuk, I. Ya. 5=14425, Meson decay unitary symmetry
 Pomerantsev, A. A. 5=1148, Shock waves in gases
 Pomerantz, D. 5=12757, Charge carriers near p-n junction
Pomerantz, M. 5=3669, Amplification of phonons in Ge
 +Pomerantz, M. 5=4023, Acoustoelectric effect in GaAs
 Pomeranz, K. B. 5=2032, Equation of motion
 Pommerrenig, D. 5=6961, Determining p-n transition in silicon
 Pomraning, G. C. 5=8428, p-n Approximation for neutron
      transport
 Poniatovskii, E. G. 5=14937, Sn-Bi T-C-P phase diagram
 +Ponomarenko, A. G. 5=1089, Shock waves in plasma
Ponomarev-Stepnoi, N. N. + 5=5717, Absorbing rods in reactor
+Ponomarev-Stepnoi, N. N. 5=5718, Control rods of reactors
 +Ponomarev-Stepnoi, N. N. 5=8711, High temperature reactor
+Ponomarev, L. I. 5=14231, Two-center problem
  Ponomarev, V. P. 5=10965, Closed betatron
  Pons, L. + 5=7423, Transformations of Mn(NO<sub>3</sub>)<sub>2</sub>
  +Ponslet, A. 5=9247, Measurement of the thickness of films
 Ponsonby, J. E. B. + 5=7643, Rotation of Venus by radar
+Ponsot, C. 5=7533, "Pearls" in conjugated regions
 +Ponsot, C. 5=13603, PC 1 geomagnetic oscillations
+Pontecorvo, B. 5=8446, Muon capture in He<sup>3</sup>
  +Pontecorvo, D.B. 5=8343, High-pressure streamer chamber
  +Pontet, F. R. 5=14507, Half-life of 235U
  Ponyatenko, N. A. + 5=14851, Raman spectra of NO<sub>3</sub> in solution
  +Ponzano, G. 5=11309, Nuclear direct electrodisintegration Ponzano, G. 5=14277, 21-j coefficients
 Poole, C. P., Jr. 5=4303, Spectra of Cr-containing solids
  +Poole, M. D. 5=9431, Graphite vacancy energy
  +Poole, M. J. 5=8438, Time dependent spectra
  +Pooley, D. 5=1486, F centres of potassium iodide
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Poortmans, F. 5=11330, n-resonances in HF. Tm and Dv -Pop, I. 5=4164, Gd-Ce magnetic properties Pop. I. 5=4166 Gd-Te[Er] magnetic properties Pop. I. + 5=15499. Resonance absorption in Gd—Ce -Popa, M.S. 5=880, (n, γ) Experiments at VVR-S reactor Pope, C.G. 5=1285, Heats of adsorption on C black Pope, J. H. 5=13609, Geomagnetic micropulsations Popel', S.I. + 5=3313, Surface-tension of liquid Fe-Mn Popel', S. I. 5=3314, Surface-tension of Fe-Si +Popescu, I. 5=7940, Caesium—cadmium diode Popescu, I. M. + 5=8516, N.M.R. of Hg²⁰¹ +Popesku, I. M. 5=11436, Magnetic resonance of 73S, Hg1 +Popesku, M. 5=5359, Reflection of neutrons by Co. Pop-Jordanov, J. 5=2866, Critical assemblies of NPY +Popkov, Ya. A. 5=7327, Exciton absorption in CdS +Popkov, Yu. A. 5=7350, Zeeman effect in MnF₂ +Popkovich, A. V. 5=9015, Characteristics of "TOKAMAK - 3" +Poplavko, Yu. M. 5=15062, Thermal conductivity of triglycine gulfato +Pople, J.A. 5=3667, Intermolecular vibrations of solid CO. Pople, J. A. + 5=11588, Spin coupling between H atoms +Popoff, I. G. 5=7527, Ionospheric reaction rates +Popov, A. T. 5=10950, Linear accelerator for electrons Popov, E. M. 5=14653, Butadiene vibrational spectra +Popov, K. V. 5=15096, Dislocations in iron Popov, L. E. + 5=1477, Strengthening of solid solutions Popov, L. E. + 5=6271, Ordering on antiphase boundaries +Popov, L. E. 5=12456, Theory of yield point Popov, S. M. 5=13240, Temperature and humidity fields Popov, V. 5=7014, Electrical conductivity of waxy dielectrics +Popov, V. A. 5=12954, Ground states of antiferromagnet +Popov, V. A. 5=15483, Energy spectra of antiferromagnet +Popov, V. I. 5=1794, Spin-lattice relaxation Popov, V. N. + 5=2070, Theory of a Bose gas Popov, V. N. 5=10290, Nonideal Bose gas Popov, V.S. 5=5236, Asymptote of scattering amplitude Popov, V.S. + 5=8247, Complex angular momentum +Popov, Yu. S. 5=12733, Surface layers of n-Ge Popova, A. A. 5=3548, Verneuil crystal production Popova, A. M. + 5=5602, Quasi-elastic shower processes +Popova, A. M. 5=8243, Three-particle interaction amplitudes +Popova, A. M. 5=8275, Inelastic process amplitudes +Popova, E.P. 5=1393, Uklonskovite +Popova, S. V. 5=12721, Bi Se resistivity pressure variation +Popovich, A.S. 5=14771, Pulsed gas admission to discharge +Popovich, M. 5=5359, Reflection of neutrons by Co Popovici, C. 5=13653, Coordinates of satellites Poppe, R. + 5=10685, Interferometer comparator for spectroscopy +Popper, J. B. 5=7744, Constant force friction +Popper, J. B. 5=10192, Fluid transfer Poppelwell, J. + 5=9771, Magnetic susceptibility of Gd-Lu +Popplewell, J. 5=12981, Gd ions in metals e.s.r. Poppoff, I.G. + 5=13489, X-radiation in D region +Popryadukhin, A.P. 5=2213, Helical magnetic field +Popryadukhin, A.P. 5=3189, Magnetic surfaces of helical fields Pops. H. + 5=6288, Martensites in copper-zinc alloys +Porai-Koshits, E.A. 5=14959, X-ray camera for study of glass Poreh, M. + 5=1159, Diffusion from line source Porges, K. G. + 5=2535, Cancellation of γ background pulses Porfir'ev, V.V. + 5=4591, Velocity curves of binaries. I Porile, N.T. + 5=5635, Na²⁴ formed by irradiation of elements Porreca, F. 5=12420, Annealing kinetics of quartz crystals +Porreca, F. 5=14872, Diffusion in liquid suspensions Porsch, M. 5=9603, Excitons in polar crystals +Porter, C. E. 5=678, Neutron-nucleus optical model Porter, C. E. 5=8612, Statistics of compound states +Porter, C. E. 5=10277, Expectation-value distributions +Porter, F. T. 5=4364, Electron response of NaI(Tl) +Porter, G. 5=9099, Diffusion studies in viscous media Porter, G. 5=11478, Triplet state by photolysis Porter, J. G. 5=7644, Comets 1963 Porter, K. R. 5=3583, Ultramic rotomy +Porter, N. A. 5=13683, Cosmic γ flux limit +Porter, R.S. 5=2164, Calorimetric studies Porter, R.S. + 5=3317, Polyisobutene degradation in flow Porteus, J. O. 5=2194, Measurement of d. c. signals +Portis, A. M. 5=4232, Antiferromagnetic resonance modes +Portnoi, K. I. 5=5718, Control rods of reactors +Porto, S. P. S. 5=8053, Transient effects in lasers +Porto, S. P. S. 5=11554, Raman scattering from benzene

+Porto, S. P. S. 5=11556, Rayleigh scattering from molecular liquids +Pose, R. 5=8450, Exchange in π^+ p \to p $\pi^+\pi^0$ at 4 GeV/c +Posner, A. S. 5=9329, Structure of hydroxy apatite +Posner, M. 5=685, Spin, magnetic moment of N13 Pospelov, Yu. A. 5=12585, Electronic properties of graphite +Post, R. F. 5=5997, Convective losses from steady-state plasma +Post, R. F. 5=14764, Electrostatic plasma instability +Postma, H. 5=11346, Spins of n resonances and h. f. s. in Ho¹⁶⁵ Postnikov, S. N. 5=6691, Friction of metals Postnikov, V. S. 5=12418, Defects in thermally cycled Al Postnikov, V. S. 5=12475, Internal friction in metals Postnikov, V. V. 5=3502, Si and Ge preparation Potakhin, N.E. + 5=12490, Fatigue of copper +Potakova, V. A. 5=15464, Fe-Ni ferrite properties Potapov, L. P. 5=15002, Thermal factor of X-ray diffraction +Potapova, I. V. 5=10459, Induction gaussmeter +Potekhina, N.D. 5=3512, Metal desorption +Potenza, G. 5=8046. Transients in Q-switched lasers Potnis, V.R. + 5=2755, Au¹⁹⁷ nuclear transitions Pottasch, S. R. 5=13761, Solar chemical composition +Potter, D. C. 5=14383, Observation of beam profiles +Potter, D. L. 5=9892, Proton channeling and X-rays +Potter, J. F. 5=4222, Magnetic susceptibility of PrO_2 Potter, P. E. 5=11953, Volatility of plutonium carbides Potter, P. E. 5=14922, Sintering of PuO₂
Potter, R. F. 5=8103, Reflectometer for optical constants +Potter, R. F. 5=9908, InAs i. r. emittance +Poubeau, P. 5=8340, Trace width in emulsions Poularikas, A. D. 5=13435, Ionospheric index of refraction Poulet, H. + 5=4299, Fundamental vibrations of CdS +Poulet, M. 5=8412, p-d scattering at 155 MeV +Poulignier, J. 5=15123, Low-frequency fatigue testing +Pouliquen, J. 5=4798, Quartz ultrasonic transducer +Pouligun, J. 5=2333, Phenomenon of Debye and Sears +Poulis, J. A. 5=9780, Measurement of Curie-points Poulis, J. A. + 5=14840, Polymerization of liquid S +Poulis, N. J. 5=1810, Electron spin system +Poulis, N. J. 5=4265, Photon M.R. in CuSO₄-5H₂O +Poulis, N. J. 5=7270, Spin-lattice relaxation by E. N. D. O. R. +Poulis, N. J. 5=7277, N.M.R. line shape in CuSO₄. 5H₂O +Pound, G. M. 5=1317, Formation of ferrite sideplates +Pound, G. M. 5=3408, Condensation and evaporation Pound, R. V. + 5=10254, Gravity on nuclear resonance Pounds, K. A. 5=13760, U. K. solar X-ray studies Pounds, K.A. 5=13763, Photographic emulsions for solar X-radiation Pouradier, J. 5=8856, Cyanine absorption spectra +Poutheuet, R. 5=7162, Magnetisation of rare-earth ions in garnets +Pouzet, P. 5=3009, Rotational constants of SO. Poveda, A. 5=4581, Cooling of supernovae remnants Poveda, A. 5=10134, Flare stars in H-R diagram +Povinelli, R.J. 5=3349, Luminescence decay in solutions Powell, A. 5=13935, Edgetone experiment and theory +Powell, R. E. 5=1715, Secondary electron coefficients Powell, W. B. + 5=14385, Injection of ions into cyclotron +Powell, W. M. 5=627, π^+ in $K^+ \rightarrow \pi^+ \pi^0 \pi^0$ decay +Powell, W. M. 5=2672, Leptonic currents in K decay +Powell, W. M. 5=8470, μ polarization from K_{u3}^* decay +Powell, W. M. 5=11122, Lambda-hyperon beta decay Power, E.A. + 5=2481, Causality and R-matrix +Powers, R. J. 5=932, X-ray spectrum of muonic atoms +Powers, R. J. 5=14625, Muonic X-ray spectra +Powers, S.R., Jr. 5=148, Requirements for tonal function +Powles, J. G. 5=6201, Spin—lattice relaxation in liquid benzene +Powles, J. G. 5=11918, Proton spin—lattice relaxation in aqueous ionic solutions Pöyhönen, J. + 5=9221, NH₄Br I \leftrightarrow II modifications Pöyhönen, J. + 5=9224, Polymorphic transformation of CsCl Pöyhönen, J. + 5=12015, Irreversibility of III = IV of RbNO₃ Pöyhönen, J. + 5=14923, CsCl fibrous structure +Pozdnyakov, B. S. 5=8711, High temperature reactor +Požela, J. 5=15323, Ge conductivity in electrical field +Požela, J. 5=15415, Electron emission from Si +Požela, Ya. K. 5=15324, Ge current in electric field +Požhela, J. 5=15211, Ge thermoelectricity and conductivity +Požhela, Ya. K. 5=15213, Ge and Si electro conductivity +Poznyak, A. L. 5=15564, E. P. R. in Ni-activated crystals Pradal, F. + 5=15260, Energy loss of electrons in NaF Pradal, J. 5=2734, Ordinary pairing interactions +Praddaude, H. C. 5=9609, Alfvén-wave propagation in graphite Prag, A. B. + 5=11442, Atomic transition probabilities

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+Price, T. G. 5=13871, Kerr metric in general relativity Prickett, R. 5=3609, Camera diffractometer Pridmore-Brown, D. C. 5=10563, Dipole aerial in plasma sheath + Priest, J. R. 5=2840, α -scattering by Ar^{40} , Ar^{50} , S^{32} , Si^{20} and O^{10} + Priester, W. 5=13355, Atmospheric densities from Explorer 17 Priestley, P. T. 5=4852, Thermistor for thermometric analysis Prieto, F. E. + 5=6234, Cohesive energy of copper +Prikhod'ko, V. P. 5=10414, Nsec e-pulse generator Prikhot'ko, A. F. + 5=1864, Absorption of naphthalene crystals Primachenko, V. F. + 5=12616, Si surface alloyed with Au +Primer, M. 5=2658, Decay modes, properties of X +Primich, R. I. 5=11720, Fabry-Perot resonators for plasma Prince, C. E., Jr. + 5=13460, Plane waves in ionosphere Prince, E. 5=7169-70, Sublattice magnetization in lithium ferrite +Principi, P. 5=8307, Counting statistics Prinzler, H. 5=3113, Noise in electric arcs Priol, M. + 5=15573, Au films u. v. optical constants +Prior, K. 5=3451, Cooling time of silica fibres +Pritchard, J. 5=3517, Potentials of H on metal films Privalov, P. L. + 5=5919, Heat of fusion of macromolecules Privorotskii, I. A. 5=3665, Scattering of neutrons in crystals Privorotskii, I. A. 5=14004, Superfluidity of He3 +Probstein, R. F. 5=1087, Plasma shock wave +Probstein, R. F. 5=8987, Electrostatic probes +Prochorow, J. 5=5761, Mercury resonance line Procopiu, S.+. 5=7144, Ni magnetomechanical phenomena Procopiu, S.+. 5=8384, Bohr—Procopiu magneton +Prodell, A. 5=11125, Σ - Λ relative parity +Prodell, A.G. 5=2689, Existence of Ω-hyperon Proebsting, R. 5=6968, GaAs laser diode fabrication Prohofsky, E.W. 5=3662, Phonon-electron waves Prohrushchenko, O. V. + 5=14916, Ordering in Ni-Cr alloys +Prokesh, A. 5=8453, π^- -N interactions at 9 BeV +Prokesh, A. 5=8663, π^- + Xe $\rightarrow \pi^-$ + π^0 Xe reaction +Prokhorov, A. M. 5=15594, Radiation from Nd3+ in CaF2 Prokhorov, L. V. 5=14289, Strong interactions +Prokhindeev, A. V. 5=10634, "Sparks" in laser focussing +Prokhindeev, A. V. 5=10639, Ruby laser +Prokhorov, A. M. 5=5021, Spectrum of ruby laser +Prokhorov, A. M. 5=8037, Three-level masers +Prokhorov, A. M. 5=10191, Radioastronomical maser +Prokhorov, A. M. 5=10584, 3 cm solid state maser +Prokhorov, A. M. 5=10634, "Sparks" in laser focussing +Prokhorov, A. M. 5=10639, Ruby laser +Prokhorova, L.I. 5=2852, Spontaneous fission of Cm244 +Prokof'ev, Yu. P. 5=10937, Bubble chamber photographs +Prokof'ev, E. V. 5=15407, Photoconductivity of PbS +Prokof'eva, K.E. 5=12843, Photo - and thermoemission of Cu-Prokofeva, N. I. + 5=8854, Raman spectra of CHCl₃ and CCl₄ Prokofiev, V. K. + 5=13750, Atmosphere of Venus +Prokoshkin, Yu. D. 5=2610, → 650 MeV p elastic scattering +Prokoshkin, Yu. D. 5=2651, # Absorption by H nuclei Promish, D. I. 5=1889, Mounting powdered phosphors Pronik, I. I. 5=4614, Variation of inter-stellar reddening law Propin, R. Kh. 5=14699, Li ionisation by n-collision +Prosen, R. J. [Ed.]. 5=15427, Magnetic Materials Digest 1964 +Proskuryakov, V. A. 5=10320, Converging shock tube +Prosperi, D. 5=5607, γ-resonant scattering in Rb, Ni, Cd Prosperi, D. + 5=11178, Systems with fixed angular momentum +Prosser, F.W., Jr. 5=801, Angular distribution in $\mathrm{Li}^{7}(\mathbf{p},\gamma)\mathrm{Be}^{8}$ +Prosser, V. 5=7005, Permittivity of Se at 3.3cm +Prosser, V. 5=7326, Absorption edge of CdSe Prostějovský, J. 5=11718, Electron temperature in plasma +Prostoserdova, I. V. 5=3717, Diffusion of Zn in InSb +Protas, J. 5=1338, Refinement of atomic positions and factors Protasov, V.S. + 5=3643, Crystal structure of ScBe₅ +Proudfit, A. 5=10063, Hydrometeor charge in thunderstorms +Proudfit, A. 5=10064, Self-charging of melting ice Prout, E. G. + 5=3798, Irradiated KMnO₄ +Provotorov, B. N. 5=11973, Nuclear polarization in crystals Prowse, W. A. + 5=1057, Ionization in H +Pruett, C. H. 5=519, Mura electron accelerator I +Pruett, C. H. 5=521, Mura electron accelerator. III Pruett, C. H. + 5=524, Mura electron accelerator VI +Pruett, C.H. 5=525, Mura electron accelerator.VII Pruitt, J.S. + 5=5316, X-ray measurements intercomparison Pruzansky, S. + 5=2141, Talker-recognition procedure Pryce, M. H. L. 5=4673, Coronal emission lines Pryce, M. H. L. + 5=9912, Optical absorption of nickel fluosilic + Pryce, M.H.L. 5=10187, Solar coronal lines Prydz, S. + 5=1881, Thermoluminescence from amino acids Przybylski, A. + 5=10129, Radial velocities of stars

hysics Abstracts 1965 - Part I (Jan. - June) sarev, V. I. + 5=1262, Phase transformations in Cd-Sb Psar'ov, V. I. 5=3445, Solubility in InSb and CdSb Shenichnov, E. A. 5=8802. Asymmetrical double potential well Pshezhetskii, V.S. 5=1289, Structure and strength of crystals Pshitula, M. I. 5=10986, Scintillation (n, γ) -detector Pshitula, M. I. 5=11046, Scintillation detector Ptitsyn, G. V. 5=9507, Cathode sputtering of metals tkelner, S. B. + 5=7674, Heating theory for chromosphere Ptushinskii, Yu. G. 5=6847, Hall effect in Ni films Pu, C. Y. 5=4492, Variation of radiation belt u Fu-cho + 5=7072, Magnetic structures of crystals Pu Fu-Cho. 5=9827, Spin-wave spectrum Pu, R. T. 5=627, π^+ in $K^+ \rightarrow \pi^+ \pi^0 \pi^0$ decay Puddington, I. E. 5=11922, Ageing in Si hydrogels
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+Quäck, I. 5=15080, Diffusion in U-Zr system +Quader, M. A. 5=12201, X-ray study of $_{\gamma}$ -Cu₄Cd₃

Pye, J. J. + 5=6591, Surface diffusion on Ni Pyle, J. R. + 5=10560, Waveguide cut-off wavelengths

'yt'ev, Yu. P. 5=447, Spinor and scalar meson fields

+Quader, M. A. 5=12002, Cu—Sn β — β' transformation +Quail, J. W. 5=8886, 19 F N. M. R. spectrum of IF. Quaranta, A. A. + 5=14020, Charge-sensitive preamplifier +Quareni, G. 5=603, π^+ d interactions at 4.5 GeV/c +Quareni, G. 5=5434, Low-energy $K_{1,3}$ +Quareni, G. 5=11090, # -p interactions +Quareni, S. 5=1347, X-ray absorption corrections +Quareni-Vignudelli, A. 5=603, π^*d interactions at 4.5 GeV/c +Quareni-Vignudelli, A. 5=5434, Low-energy K_{μ^3} +Quareni-Vignudelli, A. 5=11090, π -- p interactions +Quarrington, J. E. 5=6510, Lattice bands in Ge +Quartati, P. 5=11308, Errata: Nuclear processes. I +Quassiati, B. 5=11107, Branching ratio of τ' decay +Quattropani, A. 5=9779, Magnetic coupling in metals +Queisser, H. J. 5=4072, Charges on Si p-n junctions +Quema, Y. 5=7329, Optical properties of CaF, and BaF, Quemada, D. 5=3144, Hydrodynamic equations in a plasma +Quenneville, A. F. 5=12563, Recovery of deformed Zr Quentin, G. + 5=15341, Piezoelectric properties of Te +Quercia, I. F. 5=1596, Positron annihilation in Si Quercigh, E. 5=10463, High magnetic fields Querfield, C.W. 5=10075, Mie atmospheric optics +Queisser, H. J. 5=1566, Charge transfer in PbTe-films Queisser, H. J. + 5=9490, Si oxidation defect growth +Querzoli, R. 5=8397, Stored e⁺ and e⁻ interaction Qui Van Vu. See Vu Van Qui. Quichaud, G. + 5=14042, D.C. motor without commutator Quinn, J. J. 5=15039, Acoustic absorption of metals Quinn, J. J. 5=9381, U. S. attenuation quantum oscillations +Quinn, J. J. 5=9590, Quantum plasma conductivity tensor Quinn, J. J. + 5=12610, Cyclotron effective mass in metals Quinn, J. M. P. 5=14686, H discharge afterglow +Quinquart, J. 5=603, $\pi^{'}$ d interactions at 4.5 GeV/c Quintanilla, M. 5=9058, Thermodiffusion in Ne-, methane mixtures +Quirk, T.W. 5=786, Photoneutron distributions from Pb and B +Quist, W.E. 5=3831, Stresses in Al, Ti and steel alloys +Quitmann, D. 5=8784, Quadrupole splitting in mu-mesonic atoms +Quitmann, D. 5=8786, Mu-mesonic X-rays +Quitmann, D. 5=14904, Isomer shift on Eu¹⁵¹ Quittner, G. 5=14315, Nuclear counting experiments +Quittner, P. 5=2620, Neutron flight time spectrometer +Quivy, P. 5=5655, Be⁹ and Be⁸ in the Be⁹ (n, 2n)

Raabe, H. P. 5=13659, Passive communication satellites +Rabben, H. H. 5=1104, Behaviour of r.f. plasma probe Rabenau, A. + 5=3991, Superconduction in GaN Rabbiner, N. 5=13128, Fluorescence of Tb³⁺ in CaF₂ Rabideau, S.W. + 5=3375, O¹⁷ N.M.R. in H₂O, D₂O +Rabideau, S.W. 5=4267, N.M.R. of D₂O ice. +Rabideau, S.W. 5=7278, Magnetic resonance in heavy ice (D₂O) +Rabie, A. 5=14546, Optical model d scattering +Rabin, H. 5=6649, F- and F-aggregate-centers +Rabin, N.V. 5=2829, #absorption by emulsions +Rabin'kin, A.G. 5=1741, Curie points of cobalt-platinum +Rabinovitch, B. S. 5=5819, Rotation-vibration level sums +Rabinovitch, B. S. 5=13140, Rates of unimolecular decomposition +Rabinovitch, B. S. 5=13141, Decomposition of ethyl series +Rabinovich, M.S. 5=5290, Particle focusing in helical fields +Rabinovich, M. S. 5=11658, Ionization by light flash +Rabinowitz, P. 5=2290, He-Ne gas laser +Rabotnov, N.S. 5=2851, Resonance widths of U²³³ and Pu²³⁹ +Raboy, S. 5=932, X-ray spectrum of muonic atoms +Raboy, S. 5=14625, Muonic X-ray spectra +Rabson, T. A. 5=5018, Ruby laser polarization +Rabson, T. A. 5=8305, Computer in a Nuclear Laboratory +Raby, J.S. 5=2167, Liquid nitrogen circulating system Racah, G. 5=674, Mathematical techniques Racah, G. 5=2885, Interactions in atomic spectroscopy Rack, A. J. + 5=2342, Small optical loss measurements +Rackham, T.W. 5=7627, Lunar luminescence due to sun +Rackham, T.W. 5=7628, Moon photography from earth +Raczka, R. 5=8472, High energy K+-p interaction Radak, B. + 5=14484, Calorimeter dosimeter for liquids Radautsan, S.I. 5=1641, Diamond-type semiconductors +Radchenko, I. V. 5=14851, Raman spectra of NO_3^- in solutions Radchenko, M. Yu. + 5=11959, Chemical bond in alloys +Radcliffe, J. M. 5=10397, Low temperature physics conference Radcliffe, S. V. + 5=6632, Dislocation generation in Fe-C Radeka, V. 5=4064, Field-effect transistor

Pyatnitskii, G. I. 5=4241, Dynamic polarization in polyethylenes

vper, J.W. + 5=4378, H disproportionation reaction Pysh, E.S. 5=12577, Charge-transfer in crystalline anthracene

+Radelaar, S. 5=1517, Deformation bands in copper

```
Rader, C.M. 5=126, Vector pitch detection
Radford, H. E. 5=2952, Hyperfine structure of B^2\Sigma^+ state of CN
Radford, H. E. 5=5853, 18-cm spectrum of OH
Radha, T.K. + 5=650, Three-body wave function
+Radha, U. 5=8839, Potential energy of Se compounds
+Radha, U. 5=8852, Potential energy of butyl halides
+Radhakrishna Setty, D. L. 5=13007, N. M. R. study of Na
     amalgams
+Radhakrishnan, M. 5=8824, Potential constants of BH4
Radhakrishnan, V. N. + 5=9182, Dissolved gases in nucleate boiling
+Radicati, L. A. 5=2464, Spin and unitary spin of strong interaction
+Radicella, S. M. 5=13445, Transequatorial reception
+Rädlein, G. 5=12040, Chemical polishing metal deposition
+Radmer, C.A. 5=527, Mura electron accelerator.IX
+Radmer, C.A. 5=528, Mura electron accelerator.X
+Radmer, C.A. 5=530, Mura electron accelerator. XII-XIV
+Radmer, C.A. 5=533, Mura electron accelerator. XV
Rado, G. T. 5=4189, Ferromagnet magnetoelectric effects
+Radojicic, D. 5=2689, Existence of Ω-hyperon
+Radoń, T. 5=15079, Ge and Si surface diffusion
+Radutskii, G. M. 5=608, s, p waves in \pi N-scattering
Radwan, M. 5=3580, Metal structure and phase transformation
+Radzievskii, V. V. 5=13743, Rotation of planets
+Rae, E. R. 5=10891, Magnetic tape recording
+Raether, H. 5=14954, Orientation of silver films
+Raether, H. 5=15258, Electron energy losses in alkali halides
+Raether, H. 5=15259, Optical properties of KCl
Raevskii, I. M. 5=14026, Four-channel electronic commutator
+Rafalovsorkyi, V. A. 5=11993, \beta-phase of Ti alloys
Rafałowicz, J. + 5=7891, Calibration of resistor thermometers
Rafal'son, A. E. 5=11410, Quadrupole mass-analyser
+Rafal'son, A. E. 5=12859, Electron multiplier for mass-
     spectrometer
Rafblovsorkyi, V. A. + 5=11994, ω-phases of Ti alloys
+Raga, F. 5=12622, Behaviour of exciton states
+Raghavachar, M. R. 5=10118, Gravitational instability
Raghavan, R.S. + 5=718, Even-even nuclei 2 states
+Ragimova, R. A. 5=8873, Microwave spectrum of CD<sub>3</sub>CH<sub>2</sub>OH
+Ragle, J. L. 5=4274, Molecular motion in HCl and DCl
+Ragone, D. V. 5=8738, f values and vapor pressures
+Ragozzino, E. 5=11917, Thermal relaxation times of liquids
+Raha, H. N. 5=14039, Cockcroft-Walton voltage multiplier
Rahilly, W. P. + 5=11495, Free-electron networks
+Rahm, D. 5=2558, Fractionally charged particles
+Rahm, D.C. 5=2689, Existence of \Omega-hyperon
Rahman, A. 5=1168, Motion of atoms in liquid Ar Rahman Khan, M. Z. + 5=5641, Neutrons from spherical nuclei
Rahn, R.O. + 5=4254, E.S.R. of Re<sup>4+</sup> in K<sub>2</sub>PtCl<sub>6</sub> +Rai, D. K. 5=8832, Force constants of MoF<sub>6</sub>, TcF<sub>6</sub>, and ReF<sub>6</sub> +Rai, D. K. 5=11536, Interatomic distances in hexafluoride
+Rai, J. N. 5=1197, Fluorescence and spectra of p-dichlorobenzene
+Rai, J. P. 5=10451, Power factors of control rectifiers
Rai, R. + 5=3040, Ligand field in Ni2+ complexes
+Rai, R. 5=15449, Magnetic susceptibility and anisotropy in
     Co<sup>++</sup> ion
Rai Choudhury, S. 5=11113, K-N scattering
Raichenko, A.I. 5=12267, Defective atomic chain vibrations
+Raichev, P. 5=5358, One-dimensional neutron transfer
+Raïkova, D. V. 5=10185, Coronal observation comparison
+Rainwater, J. 5=820, Neutron resonance spectroscopy. IV
+Rainwater, J. 5=8547, Neutron resonance spectroscopy. V
+Rainwater, W. J. Jr. 5=14618, Coulomb scattering in Al Rairden, J. R. + 5=9651, Critical temperature of Ni and Ta
+Raisbeck, I. A. 5=13259, Errors in precipitation current
+Raith, H. 6=3618, Elastic diffraction of electrons
+Raitt, W. J. 5=1955, Ion composition in F-region
Raizer, M.D. + 5=5994, X- and n-radiation in discharge
Raizer, M. D. + 5=14685, X-ray n emission in discharges
+Raizer, Yu. P. 5=1047, Cascade ionization by light
Rajagopal, A. K. 5=92, Extended random-phase approximation
Rajagopal, A. K. 5=12629, Spin-density-wave systems
Raja Gopal, E.S. 5=2174, Rotating liquid He II
Raja Gopal, E.S. + 5=10408, Turbulence in He II flow
Raja Gopal, E.S. + 5=14003, Vorticity in liquid He II
Rajagopalan, S. R. + 5=7353, Transparency of black Ni film
Rajagopalan, S. R. + 5=8150, Analysis of polarized light
Rajagopalan, S. R. + 5=14209, Analysis of polarised light. II
+Rajappa, N. 5=4428, Surface gravity of the earth Rajnak, K. 5=8763, 4f^3 Configuration of Pr III
+Rajnak, S. L. 5=9575, Dynamic mechanical properties of Ag-Al
```

```
Raju, G. R. G. 5=11656, Ionization and attachment coefficients
Raju, P.S. + 5=6593, As diffusion in Si
Rakauskas, R. + 5=14652, The benzonthracene molecule
+Rakavy, G. 5=13113, Self-trapping in GdCl<sub>3</sub>. 6H<sub>2</sub>O
+Rakavy, M. 5=14903, Mössbauer effect in Dy161
Rakestraw, J. W. + 5=13046, Spectra of Er3+ in YCls
+Rakhimov, A. A. 5=1861, Spectrum of p-dichlorobenzene
+Rakov, A. V. 5=1861, Raman spectrum of p-dichlorobenzene
+Rakov, M. A. 5=14008, D.C. measuring amplifier
Rakhovskii, V. I. 5=5953, Erosion of electrodes in arc
+Rakin, G. V. 5=9668, Properties of doped CdSb
Rakin, V. G. + 5=12380, Decoration of dislocations in Al-Cu
Raleigh, D.O. + 5=3360, Thermoelectric potentials in Bi-BiI<sub>3</sub>
Raleigh, D. O. 5=12591, Hole conductivity in silver bromide
Rallis, C. J. + 5=1213, Heat transport in boiling
+Ram, B. 5=5445, Long-range \Lambda-N and \Lambda'-\Lambda potentials
+Ram, B. 5=11349, A optical potential
+Rama Rao, C. 5=1946, Electron content determinations
Rama Rao, C. G. + 5=11524, BrO3, IO3 and SiBr3 molecular
    vibrations
+Rama Rao, I. 5=2068, Degenerate Bose system. IV
+Rama Rao, P. N. 5=8689, 4 MeV n-fission of U23
+Ramachandra Rao, B. 5=1954, F-region drift
+Ramachandra Rao, B. 5=13428, Ionospheric absorption and
    frequency
+Ramachandra Rao, B. 5=13453, Fading of ionospheric drift
+Ramachandra Rao,B. 5=13494, Ionospheric absorption
+Ramachandra Rao,B. 5=13499, Sporadic-E over Waltair
+Ramachandra Rao, B. 5=15740, E-region drift speeds
+Ramachandra Rao, M. 5=13535, Variation of spread-F index
Ramachandran, G. + 5=5383, y production of # from H<sub>3</sub> and He<sub>3</sub>
Ramachandran, G. + 5=11006, Electron helicity
Ramachandran, G. + 5=14437, Scattering of \pi by H<sub>3</sub> and He<sub>3</sub>
+Ramachandran, G. N. 5=15001, Phase distribution in crystals
+Ramachandran, W. J. 5=15411, Spectral characteristic, speed
    a GaAs_xP_{1-x}, GaAs photodiode
+Ramadurai, S. 5=11152, p/He ratio in primary cosmic rays
Ramakrishnan, A. + 5=5332, Isobar production in N-N collision
+Raman, A. 5=1358, Structure data of phases
Raman, C. R. V. + 5=7477, Interaction between tropospheres Raman, C. V. 5=5108=9, New physiology of vision
Raman, C. V. 5=10740, Physiology of vision. III
Raman, C. V. 5=14217, Perception of form
Raman, C. V. 5=14218, Perception of colour
Raman, C. V. 5=14219, Vision in dim light
+Raman, K. 5=5332, Isobar production in N-N collisions
Raman, K. 5=14285-6, Parity-nonconserving reactions. I-II
Raman, K. 5=14440, Scalar Kπ resonances
Raman, R. + 5=4119, Photoconductivity of anthracene
+Ramana Murty, B. V. 5=15663, Lunar influence on precipitatio Ramana Murty, Y. V. + 5=13494, Ionospheric absorption
Ramanamurty, Y. V. + 5=13428, Ionospheric absorption and
Ramanathan, K. R. 5=10046, Earth's atmosphere
+Ramanathan, S. 5=12086, Etch pits on diamond
+Ramanathan, Y. 5=7477, Interaction between tropospheres
+Ramanna, R. 5=8689, 4 MeV n-fission of U235
Ramano Rao, S. 5=9314, Crystal form and subgroups
+Ramaseshan, S. 5=6435, Alignment of crystals in X-ray camer
+Ramaseshan, S. 5=8150, Analysis of polarized light
+Ramaseshan, S. 5=9327, Ba ion crystal coordination
+Ramaseshan, S. 5=14209, Analysis of polarised light. II
+Ramaswamy, A. 5=5873, Properties of SiH, CN and SiD, CN
+Ramaswamy, A. 5=8837, Force constants of thio-carbonyl
    fluoride
+Ramaswamy, A. 5=8840, Potential constants of SiH_3CN +Ramaswamy, K. 5=11547, Molecular force field for SF_4
+Ramaswamy, M.K. 5=2746, 0° state in Zn68
+Ramaswamy, M. K. 5=2765, log ft Values of \beta-transitions
+Ramaswamy, M. K. 5=2766, Enhancement in \beta-transitions
+Ramaswamy, M. K. 5=14464, 5-levels of even-even nuclei
Ramaswamy, S. + 5=6435, Alignment of crystals in X-ray came Ramayya, A. V. + 5=5585, Decay of Pr^{146}
Ramayya,G.Achuta. See Achuta Ramayya,G.
+Ramazanov, P. E. 5=4367, Electroluminescence of ZnS: Cu, Al
Rambauske, W. R. 5=1857, Optical dispersion of zinc selenide
Rambauske, W. R. + 5=10704, Diffuse optical reflection
+Ramdas, A. K. 5=7364, Spectra of donors in silicon
+Ramey, R. L. 5=1610, Conductivity and isothermal Hall effect
+Ramins, P. 5=3239, Coaxial plasma gun
Ramm, A. G. 5=2397, Analyticity of scattering matrices
```

```
Ramm, C. A. 5=5321, Neutrino interactions
amon Bonanno, F. + 5=9416. Diffusion in Ag under pressure
amsay, W. + 5=5439, Schrödinger bootstrap model
amsden, S.A. + 5=3173, Radiation scattering by plasmas tamsden, S.A. + 5=5946, Laser-induced spark in air
Ramsey, H. 5=7677, Technique for chromospheric observations
amsey, J.A. + 5=1710, Photoelectric emission of aluminium
Ramsey, J.N. 5=7453, Electron probe microanalyzer
Ramsey,N.F. 5=2991, Rotational magnetic moments
Ramsey, N. F. 5=3048, NMR studies of N.
Ramsey, N. F. 5=8387, Neutron and proton e.m. structure Ramsey, N. F. 5=8903, Multiple molecular beams Ramsey, N. F. 5=11598, Nuclear interactions of F_2
tamsey, T. H. + 5=12646, Electrical measurements in La—Te
Ramseyer, S.F. + 5=15191, W-Cu composites strength
Ramsteiner, F. + 5=6704, Deformed Cu vacancies
Ramsteiner, F. + 5=15273, Recovery of electrical resistance in
     quenched Cu
amthun, H. 5=763, Half-life of RaD (Pb210)
Rand, C. 5=1388, Crystal structure of Ag<sub>8</sub>Ca<sub>3</sub>
Rand, R. E. 5=14394, NaI(Tl) scintillation spectrometer
and, S. 5=554, Inverse bremsstrahlung
Rand, S. 5=8978, Plasma absorption of radiation
Rand, S. 5=8997, Electron plasma wave damping
Rand, S. + 5, 11707, Absorption of radiation by plasma
Randall, C. M. + 5=15559, I. R. dispersion frequencies of Lil
Randall, E. W. 5=11600, Double resonance of formamides
andall, M.J. 5=4429, Mechanism of earthquakes
andall, M.J. 5=4430, Seismic energy by volume change
Randall, M. J. 5=4435, Fine structure of earth's core
Randall, M. 5=11608, Intermolecular forces for overlap
Ranft, G. 5=2685, Λ-Nucleon potential
Ranft, J. 5=14513, Shielding studies in steel,VI
*Rangan, L. K. 5=11120, \beta-decay of \Lambda
*Rangan, L. K. 5=11420, \beta-decay of \Lambda
*Rangan, L. K. 5=14439, N* resonances
Rangarajan, S. 5=15656, Stratospheric ozone variations
Rangaswamy, S. + 5=13534, Spread-F and solar activity
Rank, D. H. 5=5745, Quadrupole spectrum of hydrogen
Rankin, M. 5=3196, Magnetic mirror scattering losses
Ranon, U. 5=3425, Crystal field of calcium fluoride
Ransom, L. D. + 5=12911, Electroless Co—P magnetic films
+Rao, C. N. 5=9395, Au—Pd thermal expansion
Rao, C. S. R. + 5=15749, Geomagnetic anomaly during IGY
+Rao, E. V. K. 5=6593, As diffusion in Si
Rao, E. V. R. + 5=5708, Square core reactors
+Rao, G. N. 5=9652, Magnetothermal effects in superconductors
Rao, K. N. 5=2928, High resolution spectra of molecules
+Rao, K. R. 5=6145, Neutron scattering from liquid argon
Rao, M. 5=4474, Equivalent lightning channel
+Rao, N. K. 5=14543, Hyperfragments produced by 3.5 GeV/c
     pions
+Rao, N. R. K. 5=6593, As diffusion in Si
Rao, P. S. R. 5=13136, Electroluminescent devices
Rao, S. V. K. 5=5714, ThO2-UO2 as nuclear fuel
Rao, U. R. + 5=4648, Interplanetary plasma, magnetic fields Rao, V. M. + 5=5890, Spectrum of methyl thionylamine
+Rao Pawar, R. 5=15055, Thermal expansion of Se
Raoult, G. + 5=7361, Population variations in ruby Raoult, G. + 5=8021, E.P.R. spectrometer
Raper, O. F. 5=1935, O(1D) in the atmosphere
+Rapior, A. 5=15403, Photoconductivity of CdS
Rapoport, I. D. 5=661, Cosmic radiation beyond atmosphere
Rapoport-Molodtsova, N. Ya. 5=9284, Crystallization of isotactic
     polystyrene
+Rapp, D. 5=14698, H<sub>2</sub> ionization by electron impact
Rapp, R.A. 5=3444, Diffusivity of O2 in Ag and Cu
Rappeneau, J. 5=6410, Structural properties of pyrolytic carbon
Rappeneau, J. + 5=6411, Properties of oriented pyrolytic carbon Rapperport, E. J. 5=14912, Study of Al-Li system
Räsänen, V. 5=14923, CsCl fibrous structure
tascheef, N. + 5=114. Breakage process equation
Rashba, E. I. + 5=3953, Combination resonance at acceptors
+Rashba, É. I. 5=7194, Crystal resonance in inhomogeneous fields
Rashba, E. I. + 5=12574, Conduction in a. c. magnetic field
Rashid, H.A. 5=2630, Regge-Khuri photoproduction
Rashid, H.A. + 5=11088, \pi-n charge-exchange scattering
Rashkovan, V. M. 5=2234, Li ions in condensed targets
Rasmussen, J. O. 5=8528, E1 transition in deformed nuclei
Rasool, S.I. 5=2993, 9.4 \mu and 10.4 \mu CO<sub>2</sub> bands Rasool, S.I. 5=13273, Energy balance of atmosphere
Rasquin, W. 5=8927, Breakdown in air
```

```
+Rasskazikhina, T. F. 5=11049, Neutron spectrometry Rastall, P. 5=7777, Property of Einstein space-time Rastogi, R. G. 5=13551, Lunar tidal oscillations Rastogi, R. G. 5=13591, Lunar tidal oscillations in H and \rm f_0F_2
Rastogi, R. G. + 5=13592, H and equatorial electrojet Rastogi, R. G. + 5=15747, Lunar tides in F2-layer
Rastogi, R. P. + 5=1301, Eutectic crystallization
Ratajczak, H. 5=9792, Fe film saturation magnetization
+Ratajczyk, F. 5=13050, Glass heterogeneity measurement
+Rathgeber, H. D. 5=8368, \gamma -N cross-section Ratho, T. 5=9166, X-ray measurements on wool
+Ratnikov, B. K. 5=9015, Characteristics of "TOKAMAK - 3"
Ratti, R. 5=539, Dissociation on complex nuclei
+Rau, H. 5=8848, Spectra of azo-group
Rau, R.C. 5=1371, Crystallography of Eu.SiO
Raub, C.J. + 5=6897, Superconductivity of \alpha-Ti alloys
+Raub, C.J. 5=15293, New superconducting compounds
Raubenheimer, L.J. + 5=12989, Spin-lattice relaxation in Cs<sub>2</sub>ZrCl<sub>6</sub>
+Raubold, E. 5=595, Antiproton-proton interactions Rauch, F. + 5=5633, Fluctuations of Al^{27} (p, \gamma) Si^{28}
+Rault, M. 5=6463, Properties of Mn<sub>2</sub>TiO<sub>4</sub>
Raułuszkiewicz, J. 5=9896, CdSe optical properties
+Raunio, G. 5=1350, Three-crystal spectrometer
+Rausch, W. 5=3966, Electrical conductivity of films
+Rautenberg, T. H., Jr. 5=3116, Pulsed NaI and TII gas arcs
Hautenberg, T. H., Jr. 5=11635, Ne—Hg glow discharge Rautian C. G. 5=10281, Relaxation in density matrix Ravatin, J. + 5=8192, Scalar products of spin functions
 +Raveau, B. 5=12238, Observation of two phases in the V-Cu-O
Ravenhall, D.G. + 5=688, Nuclear charge distribution in Ca
+Ravenhall, D. G. 5=11300, Electron scattering calculations
+Ravenhall, D. G. 5=11304, Ca<sup>40</sup> electron scattering
+Ravith, V. N. 5=15361, Electrical properties of GaAs diodes
+Ravitz, S. 5=9862, Ferromagnetic alloys n. m. r. spectra
+Ravitz, S. F. 5=9487, Stacking faults in Co
+Ravlik, A. G. 5=6321, Vacuum-deposited cobalt films
Ray, E. C. 5=11164, Cosmic-ray cutoffs
Ray, E. C. 5=13417, Terrestrial ring current
Ray, S. 5=1367, Change in Co fluosilicate hexahydrate
+Ray, S. 5=11098, Pion models for mesons
Rayburn, L. A. + 5=8638, Neutron cross-sections at 1.44 eV
Rayfield, G. W. + 5=8521, p-He³ resonance in Λ He⁴ decay
 +Raynaud, H. 5=6387, Preparation and properties of CaWO<sub>4</sub>
+Rayne, J. A. 5=3691, Heat capacity of CuPt below 4.2°K
+Rayne, J. A. 5=4160, In De Haas-Van Alphen effect
Raynes, W. T. 5=2945, Spin splittings and rotation of molecules +Rayner, F. A. 5=8138, Performance of a laser as an interfero-
+Rayrole, J. 5=13774, Corona at eclipse of 15/2/61. I Rayski, J. 5=7779, Quantization of gravitational field
+Rayudu, G. V. S. 5=12434, Radionuclides in Fe on p bombardment
Razbirin, B.S. 5=1683, Ferroelectric LiTaO<sub>3</sub> edge luminescence
Razbirin, B.S. 5=1869, Edge luminescence of crystals
+Razdobarin, G. T. 5=14192, Aperture ratio of spectral devices
Razmi, M.S.K. 5=596, Photoproduction of pions
+Razorenov, L. A. 5=5470, Nuclear component of cosmic rays
 +Razumeenko, M. V. 5=15386, Nonlinear properties of CeAlO<sub>3</sub>
+Razumeenko, M. V. 5=15387, CeAlO<sub>3</sub> dielectric properties
+Razumovskaya, I. V. 5=3821, Strength of polymers
+Razumovskaya, L.P. 5=3102, HF discharges in inert gases
 +Rea, D. 5=12488, Damping in prestressed concrete
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+Read, M. 5=3056, Stark effect in quadrupole spectroscopy
+Read, M. 5=7292, N.Q.R. Stark effect in dichlorobenzene
+Read, P. L. 5=4131, Thermionic emission microscope
 +Read, R. B. 5=10153, Declinations of radio sources
 +Read, T. A. 5=12354, Point defects in Au-Zn
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+Reading, D. H. 5=656, He<sup>3</sup> from D interactions
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+Reagan, J. B. 5=13387, Low-energy auroral electrons +Reale, A. 5=684, Binding energies in C^{12} and A1^{27}
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```

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```
Rebane, T.K. 5=2925, Molecular gyromagnetism +Rebbert, R.E. 5=10026, Radiolysis of methane
+Rebel, H. 5=2788, \beta-Polarization from Re<sup>186</sup> and P<sup>132</sup>
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+Rebigan, F. 5=547, 4\pi ionization chamber
+Rebinder, P. A. 5=6333, Combined adsorption on kaolin
 +Rebinder, P. A.,5=6684, Adsorption weakening of metals
 +Rebmeister, R. 5=11367, B^{11}(He^3, \alpha) and B^{10} levels
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+Reboux, J. 5=178, Plasma furnace
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 +Rector, R. R. 5=13792, Precision syringe
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 +Redding, K. 5=2578, N.P.L. exposure standards
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 Redei, L. B. 5=10778, Dirac equation
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 +Rediker, R. H. 5=1871, Luminescence in InSb
+Rediker, R. H. 5=2300, PbTe diode laser
 +Rediker, R. H. 5=3558, Regrowth during interface-alloying
+Rediker, R. H. 5=14165, PbSe diode laser
Redmond, R. F. 5=808, Neutron polarization
Redmond, P. J. 5=2384, Pathological matrix in inverse-scattering +Redon, D. 5=5627, Reaction Li<sup>7</sup>(p, \alpha)\alpha up to 12 MeV
+Redon, D. 5=8667, Li^6(d, \alpha)\alpha reaction
Redwood, M. 5=2110, Analog of piezoelectric transducer
Redwood, M. 5=6527, Ultrasonic pulses in solids
+Ree, F. H. 5=2052, Lattice gas properties
+Ree, T. 5=6153, Structure theory of transport phenomena
Ree, T.S. + 5=6153, Structure theory of transport phenomena
+Reece, B. L. 5=14385, Injection of ions into cyclotron
Reed, C.E. + 5=15400, Photoconductive properties of CdS
+Reed, D. L. 5=878, Core 5 of ZENITH
Reed, R.D.+ 5=1176, Cell model for quantum fluids. II
Reed, T.B.+ 5=9281, Supercooling in crystal growth
Reed, T. B. + 5=10395, Electric furnace
Reed, W.A. + 5=1612, Magnetoresistance of b.c.c.iron
Reed, W. A. + 5=6837, Galvanomagnetic properties of metals
+Reed-Hill, R.E. 5=12504, Hf, Zr deformation modes
+Rees, D. 5=2900, First-order density matrix for atoms
+Rees, D. B. 5=11385, Electron yield from fission fragments
Rees, E.P. + 5=3312, Critical tension of liquids
+Rees, J. 5=15133, Test cell for anvil apparatus Rees, J. A. 5=8826, Electrons in carbon dioxide
Rees, J. A. 5=11674, Electron behaviour in O
Rees, M. H. 5=1948, Electrons in earth's atmosphere
Rees, M. H. 5=4482, Ionization in atmosphere
+Reese, W. E. 5=4311, Exciton absorption in InP
+Reeves, E. M. 5=110, Temperature in shocked powders
+Reeves, E.M. 5=2904, Autoionization lifetime of Al I doublet
+Reeves, H. 5=5703, Reaction 3He<sup>4</sup>→ C12
Reeves, L. W. 5=8891, Nuclear coupling and atomic number
+Reeves, L. W. 5=8892, Nuclear coupling and atomic number
+Reeves, L. W. 5=13138, Spin echoes and chemical exchange
+Reeves, R. B. 5=12004, Polymorphism in HI
+Reeves, R. R. Jr. 5=1899, HC1-catalyzed reaction
+Reeves, R. R., Jr. 5=7427, Reactions of O<sub>2</sub> (A^3\Sigma_u^*) +Reffell, B. 5=10103, Rocket magnetometer deployment system
+Regel', A.R. 5=1304, Boundary
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+Regel', A. R. 5=12752, Electrical conductivity of V<sub>2</sub>O<sub>5</sub>
+Regel; A. R. 5=15342, Electrical conductivity of Tl<sub>2</sub>Te
+Regel', V. R. 5=6713, Deformation of germanium
Regener, V. H. 5=13234, Atmospheric O_3 by chemiluminescence
Regge, T. + 5=382, Landau curves
Regge, T. 5=8277, Non-relativistic potential scattering
+Régis, M. 5=6389, Monocrystalline metallic whiskers
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Reich, C.W. + 5=11273, Decay of long-lived Hole
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+Reich, H. J. 5=9694, Forward transients in p-n diodes
+Reich, H. J. 5=14611, Atomic electron excitation oscillator
     strengths
+Reich, K. H. 5=14508, Shielding studies in steel.I
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```

```
Reichenbacher, W.+ 5=3277, Diffusion in T_2-H_2 DT-H_2 and T_2-+Reichert, E. 5=5801, Electron scattering by Hg atoms
 +Reichert, E. 5=5802, Mott scattering of slow electrons
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 Reichert, J. F. + 5=7286, Na metal nuclear enhancement
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+Reick, F. J. 5=9671, Ion-pairing in GaSb
Reid, G. C. 5=13392, Auroral r.f. absorption
Reid, G. C. 5=15882, Solar p event model
 +Reid, G. W. 5=5084, Display for optical interferometer
 +Reid, J. H. 5=13785, Class 3 flare
+Reid, J. S. 5=13614, Effects of explosion Starfish
+Reid, W. H. 5=11782, Stability of Couette flow
+Reid, W. H. 5=14786, Viscous flow between cylinders
+Reid, W. H. 5=14787, Viscous flow between cylinders II
+Reide, F. 5=14384, 30 Channel hodoscope
+Reidel, C. 5=833, Stripping reaction \gamma correlation
 +Reif, F. 5=2177, Vortex rings in He
+Reif, F. 5=6869, Density of states of superconductors Reif, F. 5=10410, Vortex rings in liquid He
 +Reif, R. 5=791, Nucleon scattering on deformed nuclei
Reifenschweiler, O. + 5=4930, Ion extraction from plasma
+Reilly, F.P., III, 5=3810, X-ray stress analysis Reilly, J. P. 5=4838, Heating in ionized gases
 +Reilly, M. L. 5=6554, Thermodynamic properties of KBH,
 +Reilly, M. L. 5=13987, International practical temperature sca
Reimann, R. 5=3562, Production of mica
Reimann, W. H. + 5=3855, Creep in iron
 +Rein, R. 5=1198, Luminescence in solvent systems
 +Rein, R. 5=1884, Luminescence in 3-methylpentane glass
 +Rein, R. 5=2964, S.C.F. method for \sigma-bonded systems. I
Rein, R. + 5=3034, H-bonded systems, I Guanine-cytosine
+Reinberg, A. R. 5=998, Spectrum of CO2 in calcite
+Reinen, D. 5=15561, Ni<sup>2+</sup> distribution in Ni<sub>x</sub>Mg<sub>1-x</sub>Al<sub>2</sub>O<sub>4</sub>. VIII A
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Reiner, M. 5=7755, Non-linearity in rheology
+Reineri, M. T. 5=7633, Position of minor planets
+Reineri, M. T. 5=7860, Vowel recognition
+Reines, F. 5=2588, Liquid scintillator for antineutrino +Reines, F. 5=8400, Test of N conservation and \nu flux
Reines, F. + 5=10180, Solar neutrinos
+Reinhart, F. K. 5=7338, Light modulation in GaP junctions
+Reinharz, M. 5=5320, Neutrino interactions
Reinheimer, J. 5=3204, Stark coupling and plasma oscillations
Reinheimer, J. 5=6220, Melting or sublimation of solids
 +Reintjes, J. 5=15299, Superconducting NbN
Reis, V. H. 5=8818, Oscillator strengths for N2 and N2
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Reisman, E. + 5=10051, Air temperature distributions with
     interferometer
Reiss, H.R. + 5=457, Neutral vector boson
+Reiss, H. R. 5=11031, High-energy p-p scattering
+Reiss, J. R. 5=226, Inert gas diodes
Reitan, A. 5=11299, The (y, np) reaction
Reiter, G. S. + 5=4514, Rotational motion of space vehicles
Reiter, R. 5=10067, Precipitation and cloud electricity
+Reithel, R. J. 5=13926, Exploding wire detonators
+Reitmann, D. 5=14524, y, xn Reactions in Rl up to 105 MeV
Reiz, A. + 5=15795, Calculations of stellar models
Rekalo, M. P. 5=5203, Annihilation antibaryons
Rekalo, M. P. 5=5306, y-N scattering
Rekalo, M. P. 5=10884, Inelastic processes
 +Rekalo, M. P. 5=11063, Unitary symmetry photoproduction
Reker, H. 5=7709, Universal timer
Remaut, G. + 5=4218, Antiferromagnetic cobalteous oxide
Remeika, J. P. + 5=1307, Conductivity and growth of In<sub>2</sub>O<sub>3</sub>
+Remeika, J. P. 5=1848, R lines of chromium in ruby
Remeika, J. P. + 5=3561, Growth of lithium metagallate
Remeika, J. P. + 5=4209, Properties of Li ferrite
+Remeika, J.P. 5=7160, Eu<sub>3</sub>Fe<sub>3-X</sub>Ga<sub>X</sub>O<sub>12</sub> line width +Remeika, J.P. 5=9203, Fe<sup>57</sup> Mössbauer effect in corundum
 +Remeika, J. P. 5=9814, Rare-earth iron garnets
Remiddi, E. + 5=8481, R invariance for hyperon decays
Remler, E.A. 5=449, Static-source meson theory
+Remy, A. 5=3009, Rotational constants of SO<sub>2</sub>
+Remy, A. 5=5713, Hafnium by Van Arkel process
 +Remy, E. 5=14747, M and S toroidal \theta pinches
+Remy, P. 5=3432, Ionic iron compounds
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```

```
+Renard, F.M. 5=647. Photodisintegration of D. II
+Renard, F. M. 5=5336, p+p \rightarrow d+W^+ reaction
Renau, J. 5=6040, Reply to comments of J. A. Fejer
+Renaud, C. 5=6023, Confinement time of hot plasma
Renaud, P. 5=1143, Motion of solids in fluids
+Rendall, J. H. 5=1528, Fracture of iron
+Renero, C. 5=6234, Cohesive energy of copper
+Renero, I. 5=5175, Clebsch-Gordan coefficients of SU<sub>3</sub>
Renero, I. 5=5177, Clebsch-Gordan coefficients of SU.
+Rennert, P. 5=1134, Equilibrium of rotating fluid
+Rensen, J. G. 5=8023, E.P.R. at high temperatures
+Renshaw, G.D. 5=12388, Graphite non-basal dislocations
+Rentsch, W. D. 5=15224, Thermal acceptors in Te
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Reppich, B. + 5=1544, Creep of silicon crystals
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Rérat, B. + 5=1338, Refinement of atomic positions and factors
+Rérat, C. 5=1338, Refinement of atomic positions and factors
+Rerat, C. 5=12249, Bromo- and methyl-4-ditertiary butyl-
     2.6 phenol structure
+Resch, G. M. 5=7638, Spaced-site observations of Jupiter
Resende, E. 5=27, Initial-boundary problem for wave equation
Resende, E. 5=101, Wave expansions for elasticity
+Reshetov, L. A. 5=10394, Laboratory furnace up to 3000°C
+Reshetova, L. N. 5=11597, Chemical shifts of p in OH....O
+Reshina, I. I. 5=6516, 3-phonon processes in localized modes
Résibois, P. 5=2151, Thermal transport coefficients
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+Resmini, F. 5=14381, Milan AVF cyclotron
+Restelli, G. 5=14330, Si Li-drifted detectors
Rester, D. H. + 5=14618, Coulomb scattering in Al
+Reucroft, P. J. 5=9407, Self-diffusion in anthracene
Reuter, K. 5=7094, Superparamagnetic iron amalgams
+Reva, N. L. 5=5923, Ohmic heating and conductivity of plasma
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+Revel. D. 5=11119, YY production
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Revokatov, O. P. 5=6277, Phase transitions in Be<sub>4</sub>O(COOH<sub>3</sub>)<sub>6</sub>
+Revutskii, E.I. 5=516, H,,, accelerating system
+Revutskii, E.I. 5=517, 1 MeV H<sub>111</sub>-wave linac
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+Rey, C. 5=51321, Decision-making spark chambers
Reyes, J. + 5=5294, Electrons in Graaff accelerator
+Reyes, S. A. 5=6626, Dislocation density
+Reyn, H. W. 5=6208, Thermochemistry of antimony
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Reynolds, G.T. 5=5050, Image intensifier for microscopy
 +Reynolds, J. A. 5=14748, Low-density theta pinch
Reynolds, J. A. + 5=14749, Plasma drift in thetatron Reynolds, J. H. + 5=15857, Rare gases in chondrite
Reynolds, J. M. 5=7924, Stability of fluid column
Reynolds, W. N. 5=9552, Properties of reactor graphite
+Reynolds, W. T. 5=7952, 100 kG superconducting magnet +Rezanda, I. 5=2748, \gamma-spectrum of La isotopes
 +Rezanka, I. 5=5582, Decay of Cs<sup>134m</sup>
Rezikyan, A. M. + 5=10436, Gas-discharge potential stabilizer
+Reznikov, G. P. 5=1030, Pulsed discharge in He
 +Rezvyi, R. R. 5=12726, Currents in CdS films
Rhead, G. E. 5=12333, Self-diffusion of silver
Rhodes, B. L. + 5=15057, Apparatus for thermal conductivity of
     solids
 +Rhodes, C. G. 5=6664, U alloy fission swelling
 +Rhodes, C. G. 5=12680, Nb superconducting fibres
Rhodes, R. G. + 5=12676, Losses in superconductors
 +Rhodin, T. N. 5=3559, Nucleation of metals on surfaces
+Rhys-Roberts, C. 5=3898, Semiconductor Auger recombination
+Riad, F. 5=14550, Optical model \alpha scattering
Riaux, E. 5=7010, Dielectric properties of capacitor paper
Riazuddin. 5=431, Broken unitary symmetry
 +Riazuddin, 5=2387, Singular logarithmic potentials
```

+Ribarič, M. 5=4374, Self-diffusion of ions in resins +Ribco, L. V. 5=15331, Electrical properties of Ni O +Ribner, H. S. 5=7847, Refraction of sound +Ricamo, R. 5=11381, U²³⁸ fission by neutrons +Ricci, F. P. 5=7099, Magnetism research with neutrons +Ricco, G. 5=11190, Nucleon correlation Rice, C. L. + 5=4400, Electromagnetophoresis Rice, D. W. + 5=4643, Under-dense meteor trails Rice, M. H. 5=15147, Alkali metals P-V relations Rice, O. K. 5=12285, Thermodynamics of solid Ar Rice, P. A. + 5=8735, f values and vapor pressures +Rice, S. A. 5=1022, Excited electronic states of two polymers +Rice, S.A. 5=1585, Exciton states of crystalline neon +Rice, S.A. 5=3083, Guest-host interactions +Rice, S.A. 5=3315, Theory of dense fluids. XVIII Rice,S.A. + 5=3351, Electrostatic dispersion of liquids +Rice, S. A. 5=3941, Excitons in molecular crystals +Rice, S. A. 5=6144, Erratum: Kinetic theory of dense fluids. XVI +Rice, S. A. 5=6813, Triplet excitons +Rice, S. A. 5=9591, Hole mobility in anthracene +Rice, S. A. 5=11552, Orbitals in aromatic molecules +Rice, S. A. 5=11884, Heats of mixing +Rice, S. A. 5=12577, Charge-transfer in crystalline anthracene +Rice, S. A. 5=12621, Excitons in anthracene crystals Rice, T. M. 5=12628, Electron—electron interaction Richard, P. + 5=5621, Fine structure in analog resonances +Richards, B. P. 5=6511, Vibration of carbon atoms in graphite Richards, E.W.T. + 5=2888, Empirical level rule for spectroscopy Richards, P. I. 5=2318, Conventions in matrix optics Richards, P. L. + 5=336, Far-infrared circular polarizer Richards, P. L. 5=2330, Fourier transform spectroscopy Richards, P. M. 5=9826, Magnetic exchange-lattice relaxation +Richards, P. N. 5=9558, Internal friction of iron Richards, R. R. + 5=6230, Vapour phase of NaFeCl₄. III Richards, R. R. + 5=12227, Crystal structure of NaFeCl₄. III Richards, W. + 5=355, Color-mixture functions +Richardson, C. 5=622, π^+ -d interactions +Richardson, C. R. 5=2689, Existence of Ω-hyperon +Richardson, D. A. 5=12426, γ -Rays and optical absorption of glass +Richardson, E. A. 5=13057, Infrared spectra of surfaces +Richardson, E. H. 5=10174, O₂ in Venus atmosphere +Richardson, F. D. 5=9257, Phosphate glasses +Richardson, J. M. 5=6914, Two-carrier structures Richardson, J. R. 5=2543, High intensity accelerators Richardson, P. D. 5=4829, Heat transfer from cylinder Richardson, R. E. 5=5279, Video pulse amplifier Riche, J. 5=14573, Magnetic spectrograph Richert, R. 5=14322, Pulse from scintillation counter Richetta, P. J. 5=5070, Theory of integrating spheres Richman, I. 5=1835, Optical phonons in CaF. +Richman, M. H. 5=15005, Twins in electron diffraction patterns Richter, G. + 5=5720, Total n-cross-section in FRG1 Richter, G. + 5=11400, Neutron chopper Richter, H. + 5=3300, Structure of fused Sn Richter, K. 5=3111, Electron avalances of ether +Richter, K. 5=9209, Preparation and stoichiometry of ZnS Richter, K. + 5=9971, After-treatment and luminescence of ZnS Richtol, H. H. + 5=2336, Low temperature spectral attachment Rickards, J. + 5=5674, Angular distributions in Li⁸ (d, p)⁷ Li Rickaysen, G. 5=15284, Critical field of superconductive film +Ricker, Th. 5=6834, Thermal energy of metals +Rickert, H. 5=9231, Disorder in nickel sulphide Rickert, H. 5=12313, Diffusion through linear chain +Riddiford, A. C. [Ed.] 5=14943, Progress in surface science +Riddiford, L. 5=11119, YY production Riddle, R. A. J. + 5=8424, n-n[d] Total cross-section +Rideau, G. 5=8230, Relativistic-rotator model +Rideout, A. J. 5=4067, Turn-off delay of Ge n-p-n mesa +Ridgeley, A. 5=2888, Empirical level rule for spectroscopy +Riding, G. 5=6668, Error in Searle's pendulum +Ridley, B. K. 5=9613, Electron capture by Au ions in Ge +Ridley, B. K. 5=9672, Electron capture by Au centres in n-Ge Ridley, B. K. + 5=9673, Hot electrons in n-Ge with Au centres Ridley, B.W. + 5=2809, Optical model of 30 MeV p-scattering. I +Ridley, B.W. 5=2810, Optical model of 30 MeV p-scattering. II Ridley, N. 5=1249, Densities of Cd-Mg solid solutions Riebling, E. F. 5=3299, Structure of $B-SiO_2$ and $B-GeO_2$ Riebling, E. F. 5=9086, Structure of Mg-Al silicate liquids Riebling, E. F. + 5=14013, Electrical conductance instrument for 1700°C Rieck, H. 5=8061, GaAs laser diodes Riecke, W. D. 5=7964, "Atomic resolution" in microscope Riecker, R. E. 5=1926, Rock deformation apparatus

+Riazuddin, 5=2419, EM mass differences of baryons and

+Riazuddin. 5=8220, Octet dominance model +Riazuddin. 5=10761, Singular potential peratization

Riazuddin+ 5=11116, Nonleptonic decays of hyperons

```
+Rickey, M. E. 5=2525, Preparation of Ge detectors
Rickey, M. E. + 5=2845, New reaction {\rm Mg}^{26}({\rm He}^4,{\rm He}^5){\rm Mg}^{24} + Rieckhoff, K. E. 5=9111,{\rm Brillouin} scattering in liquids
 +Riedel, C. 5=5599, Resonance on a direct process
Riedel, E.P. 5=6180, Light scattering in organic solution
 +Riedel, H. J. 5=15629, Recoil in metal phenyl compounds
 +Riedl, H. R. 5=6799, PbTe valence band
 +Rieger, E. 5=15868, Study of interplanetary medium
+Rieger, F. 5=1134, Equilibrium of rotating fluid
Rieger, H. 5=3473, Precipitation of Cu in Si
Rieger, H. 5=9799, Magnetization process in Ni
+Riehl, N. 5=1206, Conductivity of organic liquids
+Riehl, N. 5=3567, Growing Ti-doped KCl
 +Riehl, N. 5=7043, Hole currents in anthracene
 +Riehl, N. 5=11910, Conductivity in organic liquids
 +Rienda, J. M. B. 5=11809, Thermal conductivity of
      8 halomethanes. I
                            See Barrales Rienda, J.M.
 Rienda, J.M. Barrales.
 Rienitz, J. 5=8086, Multiple image planes
 Rienstra, A.R. 5=13967, Good acoustics, speech, music
 +Riera, J. 5=8849, U. V. absorption of benzene derivatives
 Riesen, A. 5=15825, Relative elevations on moon
Riess, F. + 5=8541, Quadrupole-dipole N^{14} 3. 95 \rightarrow O_{\gamma}
 +Riessland, J. A. 5=1215, Vapor-pressure ratio of solids. II
 Rietveld, H. M. + 5=12250, Crystal structure of cadmium n-
      butyl xanthate
 +Rieutord, E. 5=4785, Curvature of shock wave
 +Rigamonti, A. 5=6200, Spin—lattice relaxation in liquids
 +Rigamonti, A. 5=6203, Electric-field gradients in liquids
 +Rigamonti, A. 5=9156, D2 quadrupole coupling in liquids
 +Rigaux, C. 5=7367, Intraband Faraday effect in Te
 +Rigby, M. 5=11806, Intermolecular potential functions
 +Righini, G. 5=7653, Solar monitoring satellite NRL 1964 1 D
 +Righini, G. U. 5=7860, Vowel recognition
 +Rigopoulos, R. 5=5460, Excited states of He6
 +Rigutti, M. 5=7659, Solar temperature from CN bands
+Rihan, T.H. 5=852, Heavy ion reactions Rikmenspoel, R. 5=14190, Sensitive absorption spectrophotometer
Riley, J. P. 5=4444, Progress in oceanography. Vol. 1
Riley, N. 5=13980, Unsteady heat transfer in layers
 +Riley, T. J. 5=12782, Solid state heterojunction triodes
Rimini, A. 5=383, Nonanalytic cut-off function
 +Rimini, A. 5=8241, Bound states of a given interaction
 +Rimini, E. 5=9724, Thermoelectric power of Cu. Au
 Rimlinger, L. 5=14929, Ordering in Fe—Al alloys Rimpault, M. + 5=11021, N—\Lambda and \Lambda—\Lambda interactions +Rinaudo, G. 5=2673, K<sup>+</sup>\rightarrow e<sup>+</sup> + \pi<sup>0</sup> + \nu decay
 +Rinaudo, G. 5=11107, Branching ratio of \tau' decay
 +Rindfleisch, G. 5=600, \rho-exchange in \pi^* + p \rightarrow N<sub>3</sub>*** + \pi^0 +Rindler, W. 5=4737, Relativistic energy conservation
 Rinehard, J.S. 5=2093, Stress wave problem
 Rinehart, F.A. + 5=14129, Microwave spectrograph
 +Ring, J. 5=4593, Densities in gaseous nebulae
 +Ringeissen, J. 5=9946, Luminescence of CuCl
 Ringland, G. A. + 5=5353, Damping in n-p charge-exchange
 +Ringler, H. 5=5952, Raising temperature of arc
 Ringnes, T. S. 5=15889, Lifetime of sunspot groups
 Riordan, R. H. S. 5=10652, Sensitive exposure meter
 +Ripley, G. W. 5=4700, Fluid adjustment in ultra microtome
 Ripoche, J. 5=7411, Fluorescence of benzyl radical
 +Ripper, J. E. 5=7391, Luminescence of pt GaAs
 +Ripper, J. E. 5=11556, Rayleigh scattering from molecular
 Ripps, H. + 5=10743, Properties and cone pigments
 Risberg, G. 5=14603, Spectrum of MgI
 +Risbourg, A. 5=7007, Relaxation domains in zeolites
 Rishbeth, H. 5=15748, Model of F2-layer
+Risser, J. R. 5=14533, N<sup>14</sup>(p, n)O<sup>14</sup> threshold
 +Ristinen, R.A. 5=2720, Spin parity of C11
 +Ristinen, R.A. 5=2737, Parity of Be11
 +Ristinen, R. A. 5=11220, \gamma-Rays from low F^{18} levels
 Ritsma, R.J. + 5=141, Frequency-modulated signals
 +Rittenberg, A. 5=5426, Decay modes of the 42π
 Ritter, D. L. + 5=3388, Niobium-rhodium system. I
 Ritter, D. L. + 5=3638, Crystal structure of Nb-Rh
 +Rittershaus, E. 5=13057, Reflection spectra of lanthanides
 +Ritus, V.I. 5=392, Quantum processes in polarized e.m. wave
 +Ritus, V.I. 5=560, Compton scattering
 +Riva, S. C. 5=12794, Space charge polarization in KCl
 Rivarola, J. B. + 5=6582, CO<sub>2</sub> diffusion on alumina
 Riveras, H. 5=6367, Production of single crystals of copper
 Rivers, R.J. 5=404, Neutral massive spin-2 fields +Rivet, E. 5=5687, C^{12}(\alpha,d)N^{14} reaction
```

```
+Rivette, C.L. 5=136, Tone deafness
+Rivier, D. 5=12658, Superconductivity and e.m. potentials
Rivière, J. C. 5=1276, Surface potention of O on U
Rivoire, G. + 5=3042, Raman spectrum of C<sub>8</sub>H<sub>5</sub>NO<sub>2</sub>
Rivoire, G. + 5=5846, Fluorescence from iodine vapour
Riznichenko, Yu. V. 5=7463, Seismic activity
Riznichenko, Yu. V. 5=7470, Energy of earthquakes
Riznichenko, Yu. V. 5=13211, Energy flux of earthquakes
+Roach, F. E. 5=15870, Photometry of zodiacal light Roalsvig, J. P. 5=11296, (φ, α) reactions in C<sup>12</sup> and O<sup>16</sup> +Rob, L. 5=8410, p—p scattering from 2 to 10 GeV
Robbins, R. C. 5=7642, Source of Venusian clouds
+Robbrecht, G. G. 5=12867, Thermal expansion and magnetic
      phenomena
+Roberson, N. R. 5=2555, Beam spread with Princeton cyclotron
Roberson, R. E. 5=4517, Gravity-gradient torques
Roberson, R. E. 5=13645, Attitude control in space
+Robert, A. 5=8008, Absorption of millimetre waves in oxygen
+Robert, J. 5=5563, Comparing radium standards
 +Robert, J. 5=5591, Mean energy of Au<sup>198</sup>
Roberts, A. 5=5282, Advances in spark chambers
 Roberts, A.S., Jr. + 5=3229, Hollow cathode discharge
+Roberts, B. F. 5=8724, Release of fission products
+Roberts, B. W. 5=8882, N<sup>15</sup> magnetic resonance. II. Coupling
 Roberts, C. S. 5=13420, Particles trapped in earth's field
+Roberts, E. 5=1295, Twin boundaries in metals
 +Roberts, E. M. 5=5830, Hydrogen bonding in nitro compounds
Roberts, G. G. + 5=6817, Space charge injection
 Roberts, J. 5=9573, Polymer mechanical properties
 Roberts, J. A. + 5=1977, Jupiter's Van Allen belt
 Roberts, J. B. + 5=7822, Spectral density analysis
 +Roberts, J. D. 5=8882, N15 magnetic resonances. II. Coupling
 Roberts, K. V. + 5=11758, Instability of plasma
 Roberts, L. D. + 5=9630, Au<sup>197</sup> alloy residual resistivity
Roberts, M.J. 5=472, Scattering phase shifts
 +Roberts, M.S. 5=4597, Properties of galaxies
 Roberts, P. H. 5=10127, Instability of a rotating sphere
 Roberts, P. J. 5=8726, Harmonic oscillator functions
 +Roberts, R.W. 5=9070, Motion in a vacuum system
Roberts, S. 5=4276, Optical constants of metals
 +Roberts, S. 5=9136, Para and ferroelectricity of KCl with (O+1)
 Roberts, T.R. + 5=2173, 1962 3He scale
+Roberts, T.R. 5=4844, 1962 He<sup>3</sup> scale of temperatures. II
Roberts, T.R. + 5=4845, 1962 He<sup>3</sup> scale of temperatures. III
 +Roberts, T. R. 5=4846, 1962 He<sup>3</sup> scale of temperatures. IV
 +Roberts, W. N. 5=12386, Fatigued Cu dislocations
 +Roberts, W. O. 5=15762, Origin of M geomagnetic storms
 +Robertson, D. S. 5=3746, CaF_2 growth
+Robertson, D. S. 5=14970, Growth of calcium aluminate crystals
 Robertson, G. 5=14211, Photoelastic birefringence measurements
 +Robertson, J. C. 5=485, 4\pi \beta-\gamma coincidence counting Robertson, J. H. 5=12079, Enantiomorphism of oxalate ion
 Robertson, J. H. 5=12247, Structure of ammonium oxalate
       monohydrate
 Robertson, S. J. 5=14797, Free-molecule flow through ducts
 +Robertson, W.D. 5=1524, Elastic properties of Fe-Ni alloys
 +Robertson, W. D. 5=12008, Martensitic transformation in
       Fe alloys
 +Robertson, W. W. 5=1029, Intensity in He afterglow
 +Robertson, W. W. 5=9880, High pressure spectroscopy of solids
+Robertson, W. W. 5=8922, He negative glow
 Robie, R. A. 5=13991, HF solution calorimeter
 +Robiette, A. G. 5=967, Spectrum of difluorosilane
 +Robin, J. 5=4301, Absorption of CdTe
 +Robin, J. 5=7329, Optical properties of CaF2 and BaF2
 +Robin, J. 5=7365, Optical properties of Ag films
Robin, L. + 5=4953, Diffraction of e. m. wave by cylinder
 Robin, L. + 5=10542, Diffraction of radiation from dipole
 Robin, L. 5=14104, Elliptical cylinder diffracting e.m. wave
 Robin, L. 5=14107, E.M. diffraction by elliptical cylinder
Robin, L. 5=14108, E.M. diffraction by band or slit
  +Robin, S. 5=5071, Spectrophometric source for 100-2000 Å
  +Robin, S. 5=15573, Au films u. v. optical constants
 +Robin-Kandare, S. 5=4301, Absorption of CdTe
 Robin-Kandare, S. + 5=7329, Optical properties of CaF<sub>2</sub> and BaF<sub>2</sub> Robin-Kandare, S. + 5=7365, Optical properties of Ag films Robins, J. L. + 5=3559, Nucleation of metals on surfaces
  +Robinson, B. J. 5=4615, Oh near galactic centre
  Robinson, B. L. 5=11269, Electron capture
 Robinson, C. C. 5=1842, The Faraday rotation of glasses
Robinson, D.W. 5=151, Subjective evaluation of noise
```

+Robinson, D. W. 5=12004, Polymorphism in HI

Robinson, E.A. 5=3010, Vibration of compounds Si-O-Si, P-O-P. S-O-S, C1-O-C1 Robinson, E.S. 5=13625, Bed rock geology and magnetism +Robinson, G. 5=2206, Electrostatic torque magnetometer Robinson, H. A. 5=12075, Structure of vitreous SiO₂. I Robinson, H. G. + 5=276, ³He nuclear Zeeman maser Robinson, J. D. + 5=14019, Microsecond signals from noise Robinson, J. E. + 5=6923, Electrical resistivity in n-type GaSb +Robinson, L. B. 5=5276, Scaler and read-out system Robinson, L. B. 5=7942, Direct energy converters
Robinson, L. B. + 5=8304, Computer at Lawrence Laboratory
+Robinson, L. B. 5=14377, Accelerator beam pulses Robinson, L. C. 5=1102, Dipole plasma probes +Robinson, L. C. 5=14709, Density of decaying H plasmas Robinson, L. C. 5=14739, Reflection of microwaves from plasma Robinson, P + 5=6311, System SiO₂ $-Al_2O_3-P_2O_5$ Robinson, P. D. 5=2375, Hypervirial theorems in quantum mechanics Robinson, P. M. + 5=9558, Internal friction of iron Robinson, R. A. + 5=14805, H₂O-NaCl-BaCl₂ thermodynamics Robinson, R. L., Jr. + 5=14809, n_2O -National From diaphragm cell Robiscoe, R. T. 5=14591, Level crossing in H Roblin, G. 5=14175, Reflection by microscopic objects III—V +Robson, D. 5=5621, Fine structure in analog resonances Robson, D. 5=8618, Iosbaric-spin resonances +Robson, J. M. 5=11326, Scattering of 14.1 MeV n by Ca40 +Rocard, Y. 5=7441, Explosion on electrodes in filtre medium +Rocherolles, R. 5=14156, Ne, Ar, Xe u.v. lasers Rochkind, M. M. + 5=11529, Infrared spectrum for Cl₂O Rock, I. + 5=10738, Vision and touch +Rock, N. H. 5=8056, Optical gain in Ne and He/Ne discharges +Rock, N. H. 5=10614, He-Ne laser amplifier +Rockl, E. 5=15531, Impact with fission products Rockmore, R. 5=5162, Self-field fluctuations Rodak, M. I. 5=1776, Spin-spin temperature of a solid Rodbell, D. S. 5=9828, Ferromagnetic resonance of nickel Rodbell, D. S. + 5=15015, MnO and EuTe lattice distortions Roddick, G. + 5=2536, Time-to-pulse-height converter Roddier, F. + 5=12850, Impulses from a photomultiplier Roddier, P. 5=47, Doppler effect in Schwarzschild universe +Rode, A. 5=8659, Pion double charge exchange Rode, V. E. + 5=14055, Pulsed magnetic fields Rodeanu, E. I. 5–192, Phase shifting circuit Roden, G. I. 5–4453, Nonseasonal temperature oscillations +Roder, A. 5=12131, Epitaxial growth Rodgers, C.D. 5=1933, Heating in earth's atmosphere +Rodgers, J.W. 5=4052, Radiation damage in Li p-i-n junctions +Rodionov, B. U. 5=8342, Streamer chamber Rodionov, K. P. 5=1498, Compressibility of metals +Rodionov, K.P. 5=3846, Healing of pores in metals +Rodionov, K.P. 5=6232, Solids under pressure +Rodionova, V. G. 5=11649, Electrical breakdown in Cs +Rodmar, S. 5=5908, Proton n. m. r. of symmetrical molecules +Rodmar, S. 5=11593, Assignment of N.M.R. spectra +Rodnikova, I. V. 5=14571, Mass-spectrometer with prisms +Rodríguez, M. 5=7436, Electrical resistance of liquids +Rodriguez, S. 5=6923, Electrical resistivity in n-type GaSb +Rodriguez, S. 5=12610, Cyclotron effective mass in metals Rodriguez, S. E. + 5=14829, Apparatus for X-ray studies of liquids +Roe, B. P. 5=2669, Leptonic decay of K⁺ meson +Roe, B. P. 5=2670, Branching of K⁺ meson +Roederer, J. G. 5=11161, Cosmic rays at low latitudes Roesler, M. 5=12882, Magnon drag in ferromagnets Roess, D. + 5=14168, Discrete modes in toroidal lasers Roessler, B. + 5=3691, Heat capacity of CuPt below 4.2°K +Roetling, P.G. 5=345, Pattern recognition Roetling, P.G. 5=5099, Effects of signal-dependent granularity +Roganov, V. S. 5=13047, GaAs light source +Roganov, V. S. 5=5666, Neutrons due to Ca μ -capture +Roganov, V.S. $5=14428,\pi$ and μ meson separation +Røgeberg, T. 5=1881, Thermoluminescence from amino acids +Rogel'berg, I. L. 5=13151, Si and oxidation of 10% Cr—Ni *Roger, R. S. 5=4684, Satellite-borne radio telescope Roger, R. S. 5=15772, Satellite transmissions +Rogers, A. 5=10981, \(\gamma\)—p Interactions, 0.5-4.8 BeV +Rogers, A. 5=11019, \(N_{33}^* \) (1238), \(\rho^\circ\) production +Rogers, A. E. E. 5=4616, Inter-stellar OH lines *Rogers, C. 5=11019, N_{33}^* (1238), ρ° production +Rogers, C. B. 5=12478, Al strain-hardening relations +Rogers, C. B. 5=12491, Strain-hardening in copper +Rogers, D. B. 5=12126, Growth of transition metal oxides

Rogers, D. H. 5=2012, Experiments on film +Rogers, D. H. 5=12379, Dislocation motion in aluminium +Rogers, E. C. 5=12676, Losses in superconductors *Rogers, J. 5=11277, γ -rays following Ta^{182,183} decay Rogers, J. M. 5=4881, Triggered fuse Rogers, M. D. 5=9511, Ejection and re-ejection of uranium Rogers, M. D. 5=3416, ESR of CN and F transistion metal com-+Rogers, P.S. 5=7975, Hooded-arc sources +Roginskii, V.I. 5=14269, Singularities of helicity amplitudes +Rogozinski, A. 5=603, π^* d interactions at 4.5 GeV/c+Rogozinski, A. 5=11074, Single pion production +Rohachova, O. I. 5=3623, X-ray investigation of Cu—In—Se +Rohfls, D. C. 5=15828, Lunar radio-reflection Rohloff, E. 5=10336, Improving violin tone +Rohloff, F. 5=14421, Measuring neutron flux densities +Rohmer, R. 5=6472, (NH₄)₃NbO₃ structure and i.r. spectrum +Rohr, R. 5=12031, Chemical polishing of Ge, GaAs Rohwedder, W. K. + 5=8727, Time-of-flight mass spectrometer Roilos, M. + 5=15319, CoO and NiO electrical properties +Roinishvili, V. N. 5=8329, Track spark chamber Roitburd, A. L. + 5=3754, Microstresses in metals Roitburd, A. L. + 5=9569, Plastic deformation during creep Roiter, B.D. 5=3465, Phase equilibria in FeO-Fe₂O₃-Al₂O₃ +Roiter, B. D. 5=6383, Czochralski growth of sapphire +Roitzin, O. V. 5=10355, Metal vacuum bolometers +Roizen, S. 5=7020, Permittivity of ferroelectric crystal Rojo, E.A. + 5=580, Slow neutron counting +Rojo, O. 5=778, Cross section of photonuclear reactions Rokhlenko, A.V. 5=478, Scattering matrix Rolfe, J. 5=4079, Ionic conductivity of KBr Rolfe, J. 5=12095, Growth of crystals from melt Rolfe, J. 5=13053, Optical properties of hydrosulfide ion Rollefson, A. A. + 5=11361, The $Cr^{s2}(d,p_{\gamma})Cr^{s3}$ reaction Rollet, A. P. + 5=11998, Boric rubidium anhydride +Rollett, J. S. 5=9320, Scaling of X-ray photographs +Rollier, M. 5=2655, π Interactions on nuclei +Rollins, F. R., Jr. 5=1404, Three-phonon interactions. I Rollins, F.R., Jr. + 5=1405, Three-phonon interactions. II +Rollins, R.W. 5=9645, Annihilation instability in superconductors Rolov, B. N. 5=12800, Ferroelectric phase transitions Romain, J. E. + 5=7771, Time in a vibrating system Roman, B. J. + 5=6977, Rating system for silicon rectifiers +Roman, J. 5=8497, Semiconductor alpha spectrometer +Roman, P. 5=10221, Zeros of causal transforms +Roman, S. 5=5618, Ca-scattered proton polarization +Roman, S. 5=14529, p Polarization in nuclear scattering +Romand, J. 5=15544, Dichroic absorption of calcite +Romanenko, V.N. 5=14966, Vibrating crystals pulled from melt +Romanenko, V.N. 5=14987, Growth of GaP and CdTe +Romano, A. 5=603, π^*d interactions at 4.5 GeV/c +Romano, A. 5=11081, The $\pi^-p \to N_{33}^{*+*} \pi^-\pi^-$ reaction Romanov, A. A. + 5=11865, Viscosity of Fe-rich alloys +Romanov, E. P. 5=12647, Temperature and electrical conductivity of Mo and W +Romanov, Yu.I. 5=553, Neutrino-lepton interactions Romanov, Yu. A. 5=6822, Characteristic losses in films +Romanyuk, L. I. 5=11692, Quasineutral flow in plasma Rome, M. + 5=2571, Photon scintillator Rome, M. 5=4140, Multiplier phototubes for far U.V. Römelt, G. + 5=1721, Magnetic properties of Fe-doped Ge +Römelt, G. 5=15489, E. P. R. of BN Romer, A. 5=7707, Mass, weight, and quantity +Romers, C. 5=3625, Crystal structure of CuTaS₃ Romiti, A. 5=107, Research with shock tube +Romo, P. C. 5=15142, Fracture surfaces in Al₂O₃ +Ron, A. 5=1101, Plasma density probe Ron, A. 5=9588-9, Quantum transport equations +Ronat, E. E. 5=5398, $\pi^- + p \rightarrow \eta^0 + n$ to 1151 MeV +Ronat, E. E. 5=10981, $\gamma-p$ Interactions, 0. 5-4. 8 BeV +Ronat, E. E. 5=11019, N_{33}^* (1238), ρ° production +Ronat, E. E. 5=14434, π^- p charge exchange +Ronchi, L. 5=283, Many-element lasers Ronchi, L. 5=340, Judgment of brightness Ronchi, L. 5=341, Intermittent stimulation, visual noise Ronchi, L. 5=8147, Cylindrical diffraction gratings Ronchi, L. 5=8165, "Noise" of visual system Ronchi, L. + 5=10565, Multifrequency diffraction antennas Ronchi, L. + 5=10593, Laser cavities +Roncin, J. 5=9838, Interaction of Cl nucleus Roncin, J. Y. + 5=14592, H Lyman α trapped in solid +Ronkin, Zh. M. 5=12857, Louver-type photomultiplier

```
Ronne, B. \pm 5=638, Muonic decay of \lambda-hyperon +Ronne, B. 5=2655, \pi Interactions on nuclei
 Rönnquist, A. + 5=6641, Steel stacking fault energies
+Rood, H. P. C. 5=456, Pseudoscalar coupling constant +Rood, H. P. C. 5=8658, Errata: \mu-capture theory
+Roof, R.B., Jr. 5=1365, Crystal structure of Ce-Pu-Co
Rook, J.R. 5=8493, Optical potentials for composite particles
+Roos, C.E. 5=641. Sigma photoproduction
+Roos, C.E. 5=12685, Superconducting Nb—Zr
 +Roos, J. 5=1517, Deformation bands in copper
+Roos, M. 5=455, Cabibbo weak currents Roos, M. 5=2021, Unitary matrix
 +Roos, M. 5=10971, Elementary particles, resonant states
+Root, R.B., Jr 5=12217, PuGa, high temperature structure
+Roothaan, C.C. J. 5=5834, Two-center molecular integrals. V
Roothaan, C.C. J. + 5=11437, Atomic self-consistent field
functions. VI
+Rope, E. L. 5=14120, Guided waves in dielectric
Ropp, R. C. 5=13110, Luminescence of Eu in La<sub>2</sub>O<sub>3</sub>-GdO<sub>3</sub>-Y<sub>2</sub>O<sub>3</sub>
Röppischer, H. + 5=9990, I. R. effects on Roentgenoluminescence
Rork, G.D. + 5=1054, Ionization coefficient in D
 +Rosati, S. 5=10835, Bound states of 3-body system
Rosberry, F. W. 5=8080, Performance of lenses
Rösch. J. + 5=7562, Measurement of diameter of stellar images
Rösch, S. 5=8077, Mineral absorption colours
Rosciszewski, J. + 5=14087, Magnetic field diffusion
+Roscoe, C. 5=12388, Graphite non-basal dislocations
+Rose, B. 5=8406, Wolfenstein parameters in p-p scattering
Rose, G. 5=7738, Orthomodularity of probability fields
+Rose, G. V. M. 5=2949, Spectrum of the BaS molecule
+Rose, H. J. 5=8541, Quadrupole dipole N^{14} 3. 95 \rightarrow O_{\gamma}
+Rose, N.J. 5=5888, Fluorescence of lanthanide complexes
+Rose, P. H. 5=2232, Scattering in neutral atoms
+Rose, P. H. 5=5289, Gases for neutral beam injectors
+Rose, P. H. 5=7981, H-ion beam equilibrium fractions
+Rose, P. H. 5=8905, Neutral beam injectors
+Rose, P. H. 5=10507, Equilibrium fractions for O
Rose, P. H. + 5=10953, Particle trajectories in acceleration tubes +Rose, P. H. 5=14081, Water vapor jet target +Rose, P. H. 5=14367, Inclined-field acceleration
+Rose, R. M. 5=6876, Superconductivity of Nb
 +Rose, R. M. 5=12679, Superconducting niobium
 +Rose, R. M. 5=12868, Irreversible magnetization of super-
     conductors
 +Rose, S. 5=15874, Observations of radio sun
+Rose, W. K. 5=4570, I.R. spectra of red-giant stars
Rosebrock, T. L. + 5=14773, Acceleration of plasmas
Röseler, A. + 5=2338, Silica Toronto lamp
+Rosen, A. L. 5=2015, Manometers
+Rosen, C. Z. 5=4863, Phonon reflection in superfluid He
Rosen, G. 5=58, Einstein-Maxwell equations
Rosen, G. 5=2418, Baryon and pseudoscalar meson mass tensors
Rosen, G. + 5=10980, Scattering of light by light
Rosen, J. 5=13860, Embedding of relativistic Riemannian spaces
+Rosen, J. L. 5=2629, Decay \pi^+ \to \pi^0 + e^+ + \nu
Rosen, J. M. 5=13231, Vertical distribution of dust
Rosen, M. + 5=2372, WKB approximation for phase shifts
+Rosen, N. 5=2058, Quantum ensemble measurement
Rosen, N. 5=10231, Classical mechanics
Rosen, S. + 5=3642, Scandium-elements with Al and C
Rosen, S. P. 5=8476, Nonleptonic hyperon decay
Rosenbaum, F.J. 5=255, Dielectric cavity resonator for e.s.r. Rosenbaum, F.J. 5=4949, E.M. wave propagation in ferrites
Rosenbaum, M. + 5=8421, Quasiclassical neutron scattering Rosenbaum, R. L. + 5=9739, Au-Fe versus Cu thermocouples
+Rosenbaum, S. S. 5=11965, Hyperfine field measurement
Rosenberg, N. W. + 5=13371, Resonance radiation of AlO
Rosenberg, N. W. 5=13440, Ionospheric temperatures from shock
Rosenberg, N. W. + 5=13459, Iono spheric wind patterns
+Rosenberg, R. 5=6731, Strengthening of LiF crystals
Rosenberger, D. 5=14157, Ne laser at 6143 and 5944 Å
+Rosenblat, S. 5=1138, Stability of varying flows
+Rosenblum, B. 5=1631, Superconduction in Hg-Cd alloys
Rosenblum, B. + 5=6873, Ginzburg-Landau parameter
Rosenblum, B. + 5=6888, Microwave studies of Nb<sub>3</sub>Sn
+Rosenblum, B. 5=6894, Reactance of superconducting films
+Rosenblum, B. 5=9638, Microwave properties of superconductors
Rosenbluth, M. N. + 5=14764, Electrostatic plasma instability
Rosenbruch, K.J. + 5=8132, Optical transmission function
+Rosenfeld, A. H. 5=2556, Strongly interacting particles Rosenfeld, A. H. + 5=10971, Elementary particles, resonant states
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```
Rosenfeld, B. + 5=2602, Directional distribution of photons
Rosenfeld, J. L.J. + 5=2882, Correlation energy of 2e systems
Rosenfeld, L. 5=4750, Irreversibility and ergodicity
+Rosenfeld, R. L. 5=6675, Stress in films on silicon substrates
+Rosenfield, A. R. 5=12468, Yielding and crack extension
+Rosenhauer, K. 5=8132, Optical transmission function
Rosenman, I. 5=7079, Shubnikov-de Haas effect in Cd<sub>3</sub>As<sub>2</sub>
+Rosenson,L. 5=2576, Spark chamber for \gamma-rays
+Rosenson, L. 5=5398, \pi^- + p \rightarrow \eta^o + p to 1151 MeV +Rosenson, L. 5=10981, \gamma-p Interactions, 0. 5-4. 8 BeV
+Rosenson, L. 5=11019, N_{3\pi}^* (1238), \rho^\circ production
+Rosenson, L. 5=14434, \pi^\circ p charge exchange
Rosenthal, J.A. + 5=1714, Gain control for photomultipliers
Rosenthal, J. E. + 5=10697, Intense light sources
Rosenstock, H. B. 5=1824, Lattice absorption
+Rosenstock, H. M. 5=2936, Franck-Condon factors for molecules
+Rosenstock, H. M. 5=5956, Ionic processes in mass spectromete
+Rosensweig, R. E. 5=4941, Ferrohydrodynamics
+Rosenthal, W. 5=6282, Ternary system Co-Ni-S
+Roser, W.R. 5=1245, Order in solid solutions
Roșescu, T. 5=867, Neutron distribution in fuel element
Roshchina, G. P. + 5=9089, Structure of liquid systems III
+Rosi, F. D. 5=6880, (Nb, Ta, V)<sub>3</sub>Sn superconducting properties
Rosin, G. S. 5=3804, Vibration insulating materials
Rosiński, K. 5=5770, Modulation of resonance fluorescence
Rosiński, K. 5=5787, Optical pumping in Rb spectrum
+Roskovcová, L. 5=3553, Morphology and growth of Al N
Rösler, M. 5=12639, Electrical resistance of antiferromagnetics +Rösler, U. 5=9583, H absorption in Zr alloys
Rosner, B. 5=722, Nuclear structure in Cd isotopes
+Rosolowski, J. H. 5=1439, Self-diffusion in antimony
Ross, D. 5=8050, Oscillation characteristics of lasers
+Ross, J. 5=6107, Viscosity of dense gases
+Ross, J.S. 5=11474, Isotope shift in Er spectrum
Ross, K. J. + 5=5790, Continuous absorption in cadmium vapour
+Ross, M. 5=11109, K° decay
+Ross, R.R. 5=643, S=-2 baryon systems
+Ross, S. 5=6324, Adsorption and condensation processes
+Rosset, J. 5=4163, Er gallate magnetic susceptibility
Rossi, B. [Ed.] 5=13629, Space exploration and solar system
Rossi, G. + 5=154, Resection of efferent cochlear fibers
+Rossignol, J. C. 5=15758, Magnetic field in France
+Rossikhin, V.S. 5=2907, Cu excitation in a hollow cathode
+Rössle, E. 5=495, Solid state detector telescope
+Rossle, E. 5=10909, Solid state detector telescope +Rössle, E. 5=5633, Fluctuations of Al^{27}(p,\gamma)Si^{28}
+Rössler, U. 5=1572, Energy bands of chalcopyrites structures
Rössler.U. + 5=6805, B band structure
+Rossmann, K. 5=5864, Analysis of \nu_2 of H_2Te
Rossmann, M. G. + 5=1241, Non-crystallographic symmetry
Rossow, V. J. 5=11738, Magnetic compression of plasmas
+Rossteutscher, W. 5=1358, Structure data of phases
+Rostoker, N. 5=1101, Plasma density probe
+Rostoker, N. 5=5996, Kinetic theory of radiation in plasma
+Rostoker, W. 5=12274, Sn dispersion relations
+Rostoker, W. 5=12512, Microyielding
+Rostovsky, V. S. 5=5504, Monopole transitions in nuclei
+Roşu, H. 5=874, Boiling in reactor
Rosztoczy, F.E. + 5=11925, Bil, -I, phase diagram
Rotem, Z. 5=11777, Laminar jet of fluid
Rotenberg, A. 5=10289, Hard spheres at high density
Rotenberg, A. D. 5=8574, Collimator efficiency, I
+Roth, K. W. 5=10177, Vela-Puppis meteor shower
Roth, W. L. 5=7178, Magnetic properties of spinels
+Rothberg, G. M. 5=9391, Pt Debye-Waller factor
 +Rothberg, J. E. 5=11071, Muonium a structure constant
 +Rothe, H. 5=5017, Axial modes in CaWO4:Nd3+ laser
 +Rothe, H. 5=12878, Magnetic susceptibilities of rubies
+Rothe, H. 5=14139, Difference frequency signal in maser
 +Rothemund, W. 5=7911, Measurement of contact p.d.
Rothen, F. + 5=12658, Superconductivity and e. m. potentials
+Rothenstein, B. 5=7110, Magnetomechanical phenomena
Rothenstein, B.+ 5=7145, Magneto-elastic properties of Ni-Co
Rother, H. 5=12900, Ripple in ferromagnetic films
Rothern, A. 5=3488, Measurements of thickness of films
Rothhardt, L. 5=2242, MHD shock waves
 Rothman, H.S. 5=14735, E.M. scattering by plasma column
 +Rothman, M. A. 5=14738, Ion cyclotron waves
+Rothman, S. J. 5=1448, Diffusion in gamma uranium
Rothschild, W. G. 5=8853, Vibrational transitions of vapors
Rothstein, F. 5=2351, RAO flow birefringence apparatus
 Rothstein, J. 5=14689, Arc spot as exploding wire
```

```
Rothwell, W. S. + 5=6760, Yield stress of NaCl
Rotter, F. 5=14182, Spectrophotometry of lamps +Rotter, I. 5=5519, α-widths for C<sup>12</sup>
+Rotter, I. 5=14516, Fragmentation theory
+Rougé, A. 5=5421, Evidence for (Kππ) resonance
+Rougeot, H. 5=499, Li diode nuclear radiation detector
+Rougeot, H. 5=501, Surface barrier detectors
Rougny, R. + 5=8559, Half-lives of excited states
Rouhaninejad, H. 5=2688, \Sigma^0 \rightarrow \Lambda^0 + e^- + e^+ and \Sigma^0 - \Lambda^0 parity
Roulleau, M. 5=9179, Freezing of HO in electric field
+Roult, G. 5=6458, Study of FeCr<sub>2</sub>S<sub>4</sub> by neutron diffraction
+Roult, G. 5=7122, Magnetic structures of Cr<sub>3</sub>X<sub>4</sub> (X = S, Se, Te)
+Routh G. 5=7163. Magnetic structure of iron magnanite

+Rourke, G. F. 5=13537, F-region enhancements

+Roush, M. L. 5=5685, B<sup>11</sup>(He<sup>3</sup>, Li<sup>8</sup>)Be<sup>8</sup> reaction
Roush, M. L. + 5=14335, Pulse shape discrimination +Rouskol, E. L. 5=13737, Lunar atmosphere
Rousseau, J. 5=7599, Photometry of globular clusters
+Rousseau, M. D. 5=10994, Tagging system for photons
+Rousset, A. 5=5425, Upper limit for \omega^{\circ} \rightarrow e^{+} + e^{-}
+Rousset, A. 5=5447, A°-N scattering
+Rousset, A. 5=11086, Pion-proton cross-section
+Rousset, A. 5=11120, \beta-decay of \Lambda
+Roussin, A. 5=12850, Impulses from a photomultiplier
Roussy, G. + 5=14095, V. H. F. cavity resonator
+Roux, M. 5=5766, Compton profile of neon atom
Row, Y. V. P. R. + 5=9231, Disorder in nickel sulphide
Rowan, L. G. + 5=7272, Electron-spin-echo envelope modulation Rowe, D. J. 5=5555, \Delta K = \pm 2 band-mixing in W<sup>183</sup>
+Rowe, E.M. 5=529, Mura electron accelerator, XI
Rowe, E.M. + 5=531, Mura electron accelerator. XIII
+Rowe, E.M. 5=533, Mura electron accelerator. XV
+Rowe, G. W. 5=12474, Asperite deformation in flow
Rowe, J. E. + 5=7925, Noise in crossed fields
Rowe, M. W. + 5=15854, \gamma Radioactivity in Fayetteville meteorite
+Rowe, P.C. 5=2811, Optical model of 30 MeV p-scattering. III
+Rowe, P.C. 5=5348, Calibration of a proton polarimeter
+Rowell, J.C. 5=3304, Deuterium resonance of liquid crystals
+Rowell, J. M. 5=3670, Phonon spectra of Ge—Si
+Rowell, J. M. 5=12775, Conductance in tunnel diodes Rowell, L. N. + 5=13655, Echo I-type satellites
+Rowland, J. H. 5=11336, Neutron cross section
Rowland, S. C. + 5=9279, AgI activation in ice nucleation +Rowlands, J. R. 5=3051, ESR of the SeO<sub>2</sub> radical ion
Roxburgh, I. W. 5=15779, Condensations in steady-state universe +Roy, A. P. 5=15032, NH<sub>4</sub> torsional oscillations in NH<sub>4</sub>Cl
Roy, C. 5=14919, H solubility in Zr
+Roy, D. M. 5=6280, Polymorphism of Ca<sub>3</sub>SiO<sub>5</sub>
Roy, D. M. + 5=10195, Dissolved gas in glasses
Roy, D. P. 5=2676, K-N scattering
+Roy, G. 5=11361, The Cr^{52}(d, p_Y)Cr^{53} reaction
+Roy, M. K. 5=5472, Nuclear potential energy
+Roy, R. 5=6310, \alpha-\beta quartz and \alpha-\beta cristobalite transitions
Roy, R. + 5=9233, Transitions in quartz and cristobalite
Roy, R. + 5=12010, Reply to comments on LiAl<sub>5</sub>O<sub>8</sub> transitions
+Roy, S. B. 5=11898, Relaxation of nitrobenzene
+Roy, S. B. 5=14858, Dielectric loss in polar solutions
+Roy, S. B. 5=14859, Absorption of microwaves in liquids. I
+Royce, B. S. H. 5=9433, Vacancies and interstitials in KBr
Royen, P. + 5=9306, Recrystallization of Al, Cu and Ni
Royston, R. J. 5=8440, Neutron velocity selector
+Rozek, A. L. 5=11559, Iodoalkanes i.r. absorption spectra
Rozenberg, Ya. I. + 5=14000, Liquid He level indicator
Rozenshtok, Yu. L. + 5=7877, Heat conduction problems
Rozhanskii, V. N. + 5=6771, Diffusion in plastic deformation
Rozhanskii, V. N. + 5=9521, Dislocation binding in crystal ribbons
+Rozhanskii, V. N. 5=14962, Twins in corundum
Rozhdestvenskii, B. V. 5=9015, Characteristics of "TOKAMAK - 3"
+Rozina, M. V. 5=14848, Acoustic velocity in formamide
     solutions
+Rozman, I. M. 5=1193, Transfer of excitation energy in solutions
+Rozman,I.M. 5=7413, \alpha, \beta ratio of plastic scintillators
```

Rubel, H. + 5=9583, H absorption in Zr allovs +Rubens, S. M. [Ed.]. 5=15427, Magnetic Materials Digest 1964 +Rubin, J. J. 5=7189, Transition metal tungstate properties Rubin, K. + 5=4929, Ion and neutral source +Rubin, L. G. 5=6597, O ion diffusion in YIG +Rubin, L. G. 5=12336, Oxygen diffusion in SrTiO₃ +Rubin, V. C. 5=4607, Velocity field in M82 +Rubinov, A. N. 5=11482, Spectra of disturbed-state substances +Rubinov, V. M. 5=12834, Photovoltages in Si films +Rubinova, É. É. 5=4113, Photoconductivity of irradiated Ge +Rubinova, É. É. 5=12828, Photoconductivity of irradiated Ge Rubinowicz, A. 5=238, Source systems of multipole radiation Rubinstein, C. B. + 5=1847, Magneto-optical properties of garnets +Rubinstein, H. R. 5=107198, Coupling constants +Rubinstein, H. R. 5=14276, Baryons and resonances in SU₃ Rubinstein, M. + 5=13000, Cr⁵³ n. m. r. in antiferromagnetic Cr,O, +Rubinstein, R. 5=566, p + p $\rightarrow \pi^+$ + d at high momentum +Rubinstein, R. 5=656, He³ from D interactions +Ruby, S. L. 5=11974, Quadrupole moment of 1¹²⁷ +Rud', Yu. V. 5=12814, Thermo-e. m. f. in p—ZnSnAs₂ +Rudakov, A. P. 5=12026, Phase state of polyvinyl alcohol +Rudakov, L. I. 5=5977, Turbulent plasma heating +Rudakov, L. I. 5=5989, Shock waves in collision-free plasma +Rudakov, L. I. 5=6042, Stability of turbulently heated plasma +Rudakov, V. A. 5=13634, Radiotracking of rockets +Rudakov, V. P. 5=657, $He^3(d, t)$ 2p, $He^3(He^3, \alpha)$ 2p reactions +Rudakov, V. P. 5=670, Light neutron nuclei +Rudashevskii, E. G. 5=7205, Antiferromagnetic resonance in hematite Rudashevsky, E.G. 5=1788, Hematite antiferromagnetic resonance Rudd, M. E. 5=11424, Autoionization levels in He +Ruddick, K. 5=656, He³ from D interactions Ruddick, P. + 5=2858, Fission of Pu²⁴⁰ at 60-500 keV Ruddock, K. H. 5=8181-2, Colour vision. I-II +Rudee, M. L. 5=9265, \(\theta\)-AlFe precipitate in Al-Fe +Rudel, R. 5=5532, Excitation of the 7/2 level in Cr53 +Rüdenauer, F. 5=11475, Electromagnetic isotope separator +Rudenko, V. A. 5=15094, Mo dislocation annealing +Ruderman, M.A. 5=4556, v Emission from hot, dense gas +Rudge, M. R. H. 5=1974, Interstellar gas Rudge, M. R. H. + 5=3127, H-ionization by electron impact Rudge, M. R. H. 5=11457, Exchange scattering amplitudes +Rudik, A. P. 5=8386, Colliding electron beams Rudinger, G. + 5=3259, Nonsteady two-phase flow Rudinger, G. 5=10322, Reply to comments by Soo +Rudloff, W. 5=6599, Diffusion in zeolite Rudman, P.S. 5=3472, X-ray study of Nb-Ti Rudman, P. S. 5=12448, Induced short-range order Rudman, R. + 5=9341, Crystal data for LiNH₄SiF₆ +Rudnick, I. 5=10411, He II fourth sound velocity Rudolph, A. F. 5=3282, High vacuum lead through +Rudolph, H. D. 5=11546, S(CN)₂ spectrum and structure +Rudolph, O. B. 5=14151, Simple He-Ne laser Rudolph, P.S. 5=4699, Valve for glass blowing Rudolph, P.S. 5=7449, Collection and purification of radon Rudraiah, N. 5=4937-8, M.H.D. stability in liquids Rudraiah, N. 5=4938, M.H.D. stability in liquids Rudstam, G. 5=564, Peripheral reactions in Cu +Rudstam, G. 5=2782, Decay of Xe, I, and Te isotopes +Rudy, E. 5=15297, Superconducting critical temperatures Rudzikas, Z. B. + 5=5137, Angular momentum operator Rudzikas, Z.B. + 5=5767, Transitions in nitrogen atom Rue, R. R. + 5=945, Chemical binding in molecules +Ruedenberg, K. 5=945, Chemical binding in molecules Ruedenberg, K. 5=972, Molecular orbitals Ruegg, F. C. + 5=11978, Mössbauer spectrometer +Ruehrwein, R. A. 5=13148, BP and B_cP thermodynamics Ruelle, D. 5=10272, Correlation functionals Ruggles, P.C. + 5=2231, Light amplifier operation Ruh, R. + 5=12156, Microstructure of zirconia +Rühenbeck, C. 5=12330, H₂O diffusion, solubility in KCl Rühl, W. 5=14260, SU(6) symmetry Rühlicke, D. 5=9564, Deformation strained Mg +Rukhadze, A. A. 5=6048, Flute instability of plasma Rukhadze, A. A. + 5=8982, Optics of inhomogeneous plasma Rukhadze, A. A. + 5=11761, Stabilization of plasma +Rukolaine, G. V. 5=11052, Neutron chopper Rukosueva, A. V. 5=888, Absorption of spectral line Rukosueva, A. V. 5=8935, Atomic concentration in arc discharge Ruland, W. 5=359, Compton X-ray scattering Rulf, B. + 5=10539, Diffraction in anisotropic media Rumanov, E. N. 5=7305, Absorption of X-rays in metals

Rubchinskii, A. V. + 5=6217, Measurement of Hg vapor density

+Rozman, R. 5=15532, Absorption of light in semiconductors +Rozov, B. S. 5=10426, Transistorized commutator switch Rózsa, P. 5=9367, Vibrations of imperfections

+Rozsival, M. 5=6402, Magazine for electron diffractograph

Ruban, M. A. 5=10578, Microwave modulator as oscillator

Rubbino, A. + 5=814, (n, α) Systematics Rubchinskii, A. V. 5=5943, Breakdown strength after spark

+Rubanov, I. A. 5=11001, X-ray quantometer

Rubatta, A. 5=6138, Waves in viscous liquid

```
Rumanova, I. M. + 5=1393, Uklonskovite
+Rumanova, I. M. 5=12194, Crystal structure of CaNa[B<sub>5</sub>O<sub>7</sub>(OH)<sub>4</sub>].
Rumler, C. + 5=7871, Pulse amplifier for radiation detectors Rumphorst, R. F. 5=10424, Non-periodic high speed pulsers
+Rumsh, M. A. 5=3554, Crystallization of AsSe, Ge, glasses
 +Rumsh, M. A. 5=15417, X-ray photoemission
+Rumsh, M. A. 5=15418, X-ray photoemission
Rumšhas, P. D. + 5=13816, Computer study of 3nj-coefficients
+Rumyanstev, A. A. 5=5305, Acceleration of particles by radiation
+Rumyantsev, N. N. 5=9015, Characteristics of "TOKAMAK - 3"
 +Rumyantsev, Yu. A. 5=11835, Viscosity of liquid
+Runciman, W.A. 5=1486, F centres of potassium iodide
Runcorn, S. K. 5=10035, Earth's moment of inertia
Runcorn, S. K. 5=13190, Gravity and model of earth's mantle
 Rundle, R. E. 5=6240, Symmetrical O-H-O bonds
Runge, K. 5=11274, (\beta, \gamma) directional correlation in Tm^{170} decay. I
 +Runge, K. 5=11275, (\beta, \gamma) directional correlation in Tm<sup>170</sup> decay. II +Runge, P. 5=8052, Gas laser, single frequency
 +Runge, R.J. 5=3362, Nuclear polarization of liquids
 Runnalls, O. J. C. + 5=14933, Polymorphic transformations in PuAl<sub>3</sub>
 Runnels, L. K. 5=6143, Exact lattice model of liquids
Runnels, L. K. 5=7786, One-dimensional lattice gas
 Ruppel, T. C. + 5=6109, Thermal diffusion column
 +Ruppel, W. 5=1701, Photovoltage in CdS crystals
 +Rupprecht, H. 5=5009, Effect of temperature on GaAs lasers
 Rupprecht, H. 5=13116, Electroluminescence in GaAs<sub>X</sub>P<sub>1-X</sub>
 Rupprecht, J. + 5=12714, Semiconducting mixed crystals
 +Rusanov, V.D. 5=5992, Turbulent fields in plasma
 +Rusanov, V. D. 5=11721, Interferometer for plasma
+Rusanov, V. D. 5=14683, Atomic beam h.f. plasma probe
 +Rusanov, V.D. 5=14744, Magneto-acoustic resonance in plasma
 Rusbridge, M.G. 5=6026, Central regions of diffuse pinch
 +Rusbridge, M. G. 5=14751, Current sheath diffusion in zeta
 Rush, J. H. + 5=7559, High altitude coronagraph
 Rush, J. J. + 5=986, Rotational motions in organic molecules
 +Rushbrooke, J. G. 5=5298, Fractionally charged particles
 +Rushworth, F. A. 5=7227, Ethylene spin-lattice relaxation
  +Rusin,Gh.I. 5=15343, Electrical properties of SnO2 films
 +Rusinko, K. N. 5=6686, Dislocation theorem
 Rusk, J.R. 5=8842, 1.64-mm absorption in water vapor Rusk, S. + 5=8672, The Ca^{40}(d, p)Ca^{41} reaction
 Ruska, E. 5=14074, Electron microscopes resolving power
  +Ruskov, T. 5=5493, Resonance γ-absorption in Sm
  +Rusnock, J.A. 5=12535, Cold drawing in polymers
 Russell, B. + 5=6709, Cu-Sn strain hardening
 Russell, B. 5=6710, Cu-Sn flow stress
Russell, B. 5=9430, Yielding of Cu-Sn
  +Russell, C. M. 5=3608, Double scanning diffractometry
 Russell, J.A. 5=248, Earth-ionosphere cavity
  Russell, J.E. 5=8785, Meson capture in liquid He
  +Russell, J. J. 5=8318, Counter hodoscope data handling
 Russell, J. P. 5=7330, Raman spectrum of CaF<sub>2</sub>
+Russell, J. P. 5=9906, Raman spectrum of GaP
+Russell, J. R. 5=12542, Hardening and coloration of KCl
 Russell, P.G. + 5=3021, Electronic states of C<sub>6</sub>H<sub>6</sub>
  Russman, I. B. 5=8000, Radiation transmission problem
 +Russo, D. 5=7653, Solar monitoring satellite NRL 1964 1 D
 +Russo-Manduchi, M. T. 5=2808, p-Scattering by O^{16}+Russo-Manduchi, M. T. 5=5346, Polarization in p—\alpha scattering+Russo-Manduchi, M. T. 5=5615, Polarization in p—C^{12} scattering
  +Russo, V. 5=10565, Multifrequency diffraction antennas
  +Rust, D. R. 5=5430, \gamma-production of the \rho^{\circ}
  Rustad, B. M. + 5=8435, Crystal filters for n and \gamma attenuation
  +Rustamov, A. G. 5=7001, Electrical properties of nickel-zinc
  Rustgi, M. L. 5=14545, Deuteron scattering
  +Ruston, W. R. 5=15011, Phases in PbO-La<sub>2</sub>O<sub>3</sub>, and Sm<sub>2</sub>O<sub>3</sub>
  +Rutberg, V.P. 5=3754, Microstresses in metals
  Ruth, V. + 5=3572, Diffusion whisker growth
  +Rutherford, J. A. 5=8920, Afterglows in atmospheric gases
  Rutherford, W. M. 5=8781, Thermal diffusion column for C^{28,29}O
  Rutter, J. W. 5=12414, Pb grain boundary migration
  +Rutz, R. F. 5=13049, GaAs injection laser
  Rutz, R. F. 5=15363, SiC tunnel diodes
  Ruziewicz, Z. 5=9998, Luminescence of triphenylene
  Rvachov, V. P. + 5=13059, Scattering by photometric standards
       and leaves
  +Ryabchenko, S. M. 5=10582, Transducer for n.q.r. spectrometer
  +Ryabchikova, T. S. 5=11597, Chemical shifts of p in OH.... O
+Ryabinin, M. N. 5=9400, Thermal pressure contacts
  +Ryabinin, Yu. N. 5=3846, Healing of pores in metals
  Ryabinin, Yu. N. + 5=6232, Solids under pressure
```

```
+Ryabko, P.V. 5=7177, Magnetoelasticity of antiferromagnetics
+Ryan, C. 5=2410, SU<sub>3</sub> and U<sub>3</sub> symmetry
Ryan, C. + 5=2429, Boson-unitary triplet or octet?
+Ryan, C. 5=5201, Mass formula in SU<sub>3</sub>
+Ryan, C. 5=10843, Intermediate-vector-boson interactions
+Ryan, D.G. 5=656, He<sup>3</sup> from D interactions
Ryan, H. F. + 5=12415, W grain boundaries
Ryan, J. A. 5=15839, Martian yellow clouds
Ryan, J. J. + 5=13793, Pressure-casting of refractory alloys
Ryan, K. R. + 5=10002, Ion—molecule reaction rates. I
Ryan, K. R. + 5=15615, Mass spectrum of propane
 +Ryan, N. E. 5=12491, Strain-hardening in copper
 +Ryasnÿi, G. K. 5=11979, Mössbauer effect in Sn organics
+Ryazanov, M.I. 5=373, Scattering of particles
+Rybailo, O. I. 5=6556, Debye temperature of gold
+Rybakova, E. V. 5=14119, Dipole in layered medium
Rybalko, F. P. + 5=6705, Plasticity of Cu
Rybalko, F. P. + 5=12473, Tilting and strain in deformed Al
Rybalko, F. P. + 5=15138, Plastic deformation distributions
 +Rybicki, K. 5=8499, High-energy nuclear jets
Rydbeck, O. E. H. 5=14100, Electromagnetic wave reflection
 +Ryde, H. 5=14408, Law of conservation of nucleons
+Ryden, D. J. 5=5284, Image intensifier for nuclear events Ryder, P. L. + 5=9237, Precipitates in adjusted U
Ryle, M. 5=10190, Radio telescopes
+Ryndich, N.A. 5=4287, Double refraction of fibres
 +Ryndin, R. M. 5=10811, Consequences of Bohr's symmetry
 +Ryndych, M. Yu. 5=3453, Density of synthetic polymers
 +Ryš, P. 5=6763, Fatigue process in steel
 +Ryskin, A. Ya. 5=7321, Spectra of Sm2+: alkali earth fluorides
 Ryskin, A. I. + 5=11540, Optical properties of platinocyanide
      compounds. I
 Ryss, A. I. 5=14831, Capillaries for X-ray diffraction of liquids
 +Rytel, M. 5=948, Motion of molecules
 +Rytov, S. M. 5=13634, Radiotracking of rockets
 Ryutov, D. D. 5=5940, Breakdown of noble gases
 +Ryutov, D. D. 5=14725, Plasma e. m. wave emission
Ryves, T. B. + 5=485, 4\pi \beta-\gamma coincidence counting +Ryvkin, S. M. 5=4112, Photoconductivity in Ge
 +Ryvkin, S. M. 5=4113, Photoconductivity of irradiated Ge
 +Ryvkin, S. M. 5=7038, Photoconductivity by hopping process
 +Ryvkin, S. M. 5=12281, p-n Junction u. s. generation
 +Ryvkin, S. M. 5=12353, n-Ge \gamma-radiation defect annealing
 +Ryvkin, S. M. 5=15084, Defect levels in germanium
 +Ryvkin, S. M. 5=15209, Hopping conductivity in Ge
Ryzhanov, S. G. 5=9917, AgBr exciton light absorption
 +Ryzhov, O.S. 5=104, Supersonic flow of gas
 Ryzhov, V. A. 5=11830, Membrane-capacitance manometer
 Ryzhov, Yu. A. + 5=14038, Inhomogeneous media space dispersion +Ryzhova, T. V. 5=9533, A. D. P. elastic wave internal refraction
 Ryzhova, T. V. 5=12530, Elastic properties of plagioclase
Ryzhkov, V. I. + 5=6263, Effect of pressure on ordering of alloys
 +Ryzhkov, V. N. 5=9014, Plasma particle current instability
Rzewuski, H. + 5=9620, Hall coefficient measurements
  Rzhiga, O. N. + 5=13747, Jupiter's decimeter radiation
  +Saad, H. R. 5=11354, N^{14}(d, \alpha) from 1 to 2.5 MeV
```

```
+Saavedra, I. 5=2481, Causality and R-matrix
+Saavedra, I. 5=5199, Massless fermions
+Saba, R. G. 5=4086, Dipole moment of polypropylene
+Saba, W. G. 5=15045, Heat capacity of BeO. Al<sub>2</sub>O<sub>3</sub>
+Sabau, M. 5=815, Capture cross section of graphite
+Sabitova, T. M. 5=13198, Spectra of Love waves
Sacchetti, N. + 5=9649, Superconducting ring current decay
+Sacchi, C. A. 5=8066, Pump energy absorption in ruby
+Sacchi, C. A. 5=10641, Ruby pump energy absorption
Saccocio, E. J. + 5=12170, Propagation of X-rays
+Sacerdoti, G. 5=9649, Superconducting ring current decay
+Šácha, J. 5=7279, Dynamic polarization of protons
+Sachar, B. K. 5=4033, PbTe for thermoelectric generator
Šachl, V. 5=11073, Photoproduction of \pi-mesons Sachl, V. 5=11095, Resonances of \pi N
Sachs, M. 5=402, Masses of elementary particles
Sachs, M. B. 5=4690, Acoustic response of green frog
Sachs, R. G. 5=11106, CP violation in K decays
Saclay—Orsay—Bari—Bologna Collaboration. + 5=11074,
     Single pion production
```

Saclay-Orsay-Bari-Bologna Collaboration+ 5=11081, Sactay—Orsay—Barr—Bologia Collaboration: The $\pi^-p\to N_{33}^{*++}\pi^-\pi^-$ reaction +Sacton, J. 5=2825, K captures in emulsion nuclei +Sacton, J. 5=5499, Decay of heavy hypernuclei

```
+Sadana, V. N. 5=6468, Neutron diffraction study of NiZrH<sub>3</sub> +Sadeghi, A. 5=5627, Reaction Li'(p, \alpha)\alpha up to 12 MeV
+Sadeghi, A. 5=8667, Li<sup>6</sup>(d. a)a reaction
+Sader, A. Y. 5=13341, Electron density at Alouette orbit
+Sadhukhan, P. 5=9302, Emulsions for electron microscopy
+Sadovskii, V. D. 5=6267, Magnetic fields and phase trans-
     formations
Sadykhov, F.S. + 5=2611, Proton-antiproton pairs
+Saeed, M. 5=8450, Exchange in \pi^+ p \rightarrow p \pi^*\pi^0 at 4 GeV/c +Saenko, L. F. 5=5571, Longitudinal polarization of \beta-rays
+Saetta-Menichella, E. 5=2854, Statistics of U<sup>236</sup> fission
+Saetta-Menichella, E. 5=5699, Fission cross section in U<sup>235</sup>(n.f)
+Saetta-Menichella, E. 5=11378, Model of U235 fission
+Safant'evskii, A. P. 5=15480, Ferromagnetic resonance device
+Saffman, P.G. 5=15779, Condensations in steady-state universe
+Safford, G. J. 5=6513, L.F. molecular vibrations in hexane
+Safford, G. J. 5=11985, Motions of H<sub>2</sub>O molecules in beryl
+Safin, I. A. 5=15523, N. Q. R. in proustite and pyrargyrite
Safrany, D. R. + 5=1899, HCl-catalyzed reaction
+Safronov, B. G. 5=5984, Polarization of plasmoids
+Safronov, B. G. 5=5999, Plasma interacting with magnetic field
+Safronov, B. G. 5=11754, Instabilities in plasma
Safronov, V.S. + 5=13737, Lunar atmosphere
+Safronova, U. 5=14580, Hartree—Fock diagrams of atoms
Safronova, U. I. + 5=5736, Two-electronic atomic systems
Safronova, U. I. + 5=5738, Atomic field-perturbation theory
Sagalyn, R. C.+ 5=13342, Electrical processes in exosphere Sagan, C.+ 5=10171, Nitrogen oxides on Mars
Sagan, C. + 5=15844, Venus i. r. limb darkening
+Sagar, A. 5=3531, Crystal structure of PtSb.
+Sagdeev, R. Z. 5=3207, Theory of plasma turbulence
+Sah, C. T. 5=12131, Epitaxial growth
+Sah, C. T. 5=12750, Oxidised Si surfaces
+Sah, J. P. 5=5672, Neutrons from (Li, d)
Sahlmann, P. + 5=10901, Large area scintillation counter
+Sailor, V. L. 5=1136, Spins of n resonances and h. f. s. in Ho<sup>165</sup>
Saint-James, D. 6868, Metal-superconducting metal excitations
St Louis, R. V. + 5=8834, I. R. spectrum of NO<sub>2</sub>
Saito, H. 5=13904, Vibrations of beams
Saito, N. + 5=15630, Neutron reactions in NaBrO.
Saito, S. + 5=3200, Oscillations in discharge tubes
Saito, S. + 5=5033, Demodulation of maser beam
Saito, S. 5=7013, Molecular motions in solid polymers
Saito, S. + 5=10791, Bootstrap and elementary particles
Saito, T. 5=7537, Geomagnetic continuous pulsations
+Saito, Y. 5=1401, Modification of (COOD), 2D,0
+Saito, Y. 5=11914, NMR of metal fluorides and oxyions Sakai, M. + 5=5543, Two phonon states in nuclei
+Sakaki, Y. 5=4188, Anisotropy in ferromagnetic films
Sakamoto, M. 5=3680, H vibrations in transition metal hydrides
+Sakamoto, M. 5=6440. Neutron diffraction and scattering studies
      at J. A. E. R. I.
 +Sakamoto, M. 5=12185, Reflectivity of neutrons by a crystal
Sakashita, S. + 5=4555, v Pair emission from nuclei
Sakatsume, S. + 5=1855, Absorption lines of V3+-Al<sub>2</sub>O<sub>2</sub>
 +Sakata, H. 5=7341, Ellipsometry of glass surfaces
Sakharov, A. D. + 5=13921, Shock waves and mechanical properties
 +Sakharov, B. A. 5=12110, GaP grown in vapour
+Sakita, B. 5=480, Threshold Regge poles
Sakita, B. 5=5182, Supermultiplets of elementary particles
 Sakita, B. 5=8234, Baryon e.m. properties
 +Sakka, S. 5=9551, Properties of glass-ceramics
+Saksaganskii, G. L. 5=9015, Characteristics of "TOKAMAK - 3"
 +Saksena, M. P. 5=14807, Thermal conductivity of gas mixtures
Saksonov, Yu.G. + 5=12212, Spinel lattice constant relation
Sakudo, T. + 5=7236, Fe<sup>3</sup> e.s.r. in BaTiO<sub>3</sub>
Sakurada, I. + 5=11920, Particle size of synthetic lattices
Sakurada, I. + 5=12534, Elastic moduli of polymers Sakurai, A. + 5=13930, Magnetic field on exploding wire
 Sakurai, J. J. 5=8236, Magnetic moments of baryons
 Sakurai, K. 5=15891, Solar type IV radio emission
Sakurai, T. + 5=13989, Large solar furnace
 Salam, A. + 5=8253, Electromagnetic and weak interactions
Salam, A. + 5=8257, Strong interaction symmetries
 +Salama, K. 5=3839, Bordoni peak in Cu
+Salama, K. 5=15182, Bordoni peak in silver
```

```
Salar, G. B. + 5=6315, High-pressure polymorphs of Zr<sub>2</sub>P<sub>2</sub>O<sub>7</sub>
Saldanha, E. L. + 5=2120, Timbre cues
+Saldukas, I. 5=13572, Automatic magnetic observatory
+Saleh, F. M. 5=818, Cross sections for K^{39}(n,p)A^{39} and K^{36}(n,\alpha)Cl^{36}
+Saleh, Z. A. 5=11354, N^{14}(d, \alpha) from 1 to 2.5 MeV
Salem, S. I. + 5=2081, Mechanical resonance
+Salgueiro, L. 5=13077, Field from Coster-Kronig transition
Salikhov, S. G. 5=15503, Paramagnetic relaxation in Ni
 +Salimov, R. A. 5=11762, Instability in k plasma
+Salisbury, J.W. 5=4623, Lunar surface features
Salisbury, J. W. + 5=12546, Adhesive silicate powders
Salisbury, S. R. + 5=11337, Neutron cross section
+Salivon, Yu. A. 5=4906, Charged beam in coaxial resonator
Salkind, M. J. + 5=12548, Ag-powder creep kinetics
Sal'kov, E. A. 5=15398, Kinetics of photoconductivity
+Sal'kov, Ye. A. 5=4133, Internal photoeffect in CdS
Salm, B. 5=10034, Effects of moving snow
Salmer, G. + 5=4865, Measurement of Gc/s permittivity
+Salmer, G. 5=6840, Resonance in metallic powders
Salmer, G. + 5=7912, Permittivity measurement above 1 Gc/s
 +Salmeron, R. A. 5=5320, Neutrino interactions
 +Salmeron, R. A. 5=8441, Intermediate boson in \nu interactions +Saloman, E. B. 5=5539, Spin and moments of Cd<sup>113m</sup>
+Salomon, M. 5=4397, Hydrogen evolution reaction
Salomon, M. + 5=9206, Electric quadrupole interaction
Salovey, R. + 5=3797, Irradiation of annealed polyethylene
Salpeter, E. E. 5=1967, Accretion of interstellar matter
 Salpeter, E. E. + 5=11708, E. M. radiation scatter from plasma
Salsburg, Z. W. + 5=2054, Statistical mechanics
Salsburg, Z. W. 5=5744, Radial equation for H atom
Saltsburg, H. + 5=3525, O<sub>2</sub> adsorption on ZnO
Saltsburg, H. + 5=6331, Oxygen on NiO surfaces
Saltsburg, H. 5=9187, Flash evaporation
Saltsburg, H. + 5=9252, Ionic species from gas-solid interactions
 +Salusti, E. 5=11178, Systems with fixed angular momentum
+Salvadori, P. 5=684, Binding energies in C<sup>12</sup> and Al<sup>27</sup> Salvi, A. + 5=1496, Internal damping
+Salvi, A. 5=7948, Free radicals for magnetometry Salvi, A. + 5=9517, Recording of internal friction
Salvi, G. 5=8176, Inclination tolerance
Salvinien, J. + 5=6162, Self-diffusion of salt solutions
Salzano, F. J. + 5=10004, Cs-graphite decomposition
Salzberg, A. M. 5=7553, Thermodynamics of gravitational
      interactions
 Salzman, J.D. + 5=7421, Recombination and disproportionation
       of NH<sub>2</sub>
 Samaddar, S. N. 5=6031, Modes in compressible plasma
 +Samama, R. 5=5721, Hoogenboom method for \gamma - \gamma cascades
 +Samara, G. A. 5=1814, Co<sup>59</sup> N.M.R.
 Samara, G. A. 5=9714, Ferroelectric properties of Rochelle salt Samara, G. A. +\ 5=9789, Curie point at high pressure
 +Samarin, E. N. 5=8711, High temperature reactor
 +Samarin, N. Ya. 5=1774, Antiferromagnets MnSO4, MnO and FeO
 +Samarin, Yu. P. 5=6680, Creep in beam during bending
 Sambe, H. 5=11507, Molecular calculations. I
 Samelson, H. + 5=5024, Laser emission of Eu benzoylacetonate
 Samelson, H. + 5=5026, Europium chelate liquid laser
 +Samelson, H. 5=13084, Eu chelates. III. Spectra
 +Sametband, M. J. 5=8647, Deuteron reactions at 26.5 MeV
 +Samigullin, F. M. 5=14133, Spin-echo spectrometer
 +Samios, N.P. 5=2658, Decay modes, properties of X°
 +Samios, N. P. 5=2689, Existence of \Omega-hyperon +Samios, N. P. 5=5452, \Omega-experiment
 +Samoilov, A. V. 5=10931, Coincidence anticoincidence circuit
 +Samoilov, A. V. 5=14428, \pi and \mu meson separation
 +Samoilov, L. N. 5=2736, Heavy isotopes of H and N Samoilov, V. P. + 5=13796, Attachment of P. T. F. E. to metal
 Samoilovich, A. G. + 5=3895, Optical scattering of carriers Samokhvalov, A. A. + 5=7001, Electrical properties of Ni-Zn
       ferrites
 +Sample, J. T. 5=8589, C^{12}\alpha-breakup
 Sampson, D. H. 5=5823, Rotational excitation of molecular ions
 +Sampson, M. B. 5=8677, Scattering of a's by Fe<sup>56</sup>, Zn<sup>64,66,61</sup>
 +Sams, D. 5=8422, Multiple scatter corrections
+Sams, D. 5=8640, Monte Carlo program for scatter corrections
 Sams, J. R. 5=6328, Trap for adsorption studies on films
 Samson, A. M. 5=3343, Reply to Shirokov and Selivanenko
 Samson, J. A. R. + 5=7058, Photoelectric yield of Al
 Samson, J. A. R. 5=7332, Vacuum u.v. transmission of C Samson, J. A. R. + 5=8960, Mobility of {\rm O_2}^+ and {\rm N_4}^+ ions
  Samson, J. A. R. + 5=13426, Photoionization cross sections
```

+Salanave, L. E. 5=13295, Lightning strokes

+Salandin,G.A. 5=2576, Spark chamber for γ -rays

+Salandin, G. A. 5=14434, π^- p charge exchange

+Salandin, G. A. 5=5398, $\pi^- + p \rightarrow \eta^\circ + p$ to 1151 MeV

+Salandin, G. A. 5=10981, γ -p Interactions, 0. 5-4. 8 BeV +Salandin, G. A. 5=11019, N_{33}^* (1238), ρ° production

+Samson, S. 5=11013, Transport theory of β -dosimetry

```
+Samsonov, G.V. 5=1691, Thermoelectricity of transition metal
      compounds
 +Samsonov, G. V. 5=3439, Structure of MoSi<sub>2</sub>-ReSi<sub>2</sub>
+Samsonov, G. V. 5=7345, L<sub>III</sub> spectra of La and Ce compounds
 +Samsonova, T. I. 5=12224, Structure of Sc aluminides
+Samueli, J. J. 5=8559, Half-lives of excited states
 +Samuels, L. E. 5=14944, Abrasion damage to Si
 +Samuelson, R.R. 5=494, Absorption coincidence spectrometer
+Samuelsson, L. 5=5581, Two-quantum decay of In<sup>114m</sup>
+Samuelsson, L. 5=14486, Electron directional correlation
      spectrometer
 San Kim Hi. See Kim Hi San.
  +Sanadze, T. I. 5=15506, E. P. R. spectra in CaF<sub>2</sub>
 Sanadze, V. V. + 5=9230, Solubility of Ni-Au phases
 Sananes, F. + 5=6067, High-speed flow in curved channel
 +Sancier, K. M. 5=4392, Heterogenerous reaction. VI
 Sancier, K. M. + 5=9930, Luminescence of solids. IV
Sancier, K. M. 5=9944, Luminescence of solids. V
Sandage, A. + 5=15823, New quasi-stellar radio sources
Sandage, A. R. 5=7611, Exploding galaxies
 Sandars, P. G. H. 5=8744, Removal of Zeeman-level degeneracy
Sandars, P. G. H. 5=8752, Electric dipole moment of Cs atom
 Sandell, P. K. + 5=7497, Radioactive fall-out
 +Sander, O. R. 5=8332, Spark chamber camera
 Sander, W. 5=7246, O e.s.r. in KCl and KBr +Sanders, F.C. 5=893, He atoms. I
 +Sanders, F. C. 5=11426, Finite-mass helium atoms. II
 +Sanders, J. V. 5=9266, Facets on Silver
 +Sanders, J. V. 5=9267, Tarnishing of Ag
 Sanderson, J. J. 5=1076, Equation for plasma
 Sandford, B. P. 5=13362, Aurora and airglow variations
 Sandhu, H. C. + 5=9907, Refractive index of ice
 +Sandhu, H. S. 5=13017, Reflection from isotropic dielectrics
 Sandiford, D.J. + 5=7084, Surface superconductivity diamagnetism
 Sandler, S.I. + 5=3257, Nonstationary diffusion
 Sando, K. M. + 5=2374, Rayleigh-Schrödinger perturbation
 +Sandomirskaya, V. L. 5=14993, Magnetic properties of Al-Fe
      alloys
 Sandomirskii, A. B. + 5=7490, Brightness indicatrices
Sandomirskii, A. B. + 5=13269, Brightness variation to 17.5 km
 Sandomirskii, V. B. 5-4069, Semiconductor-dielectric-semi-
      conductor system
 +Sandon, M. 5=14549, O16(d, p,) and B11(d, po) at 300 keV
Sandor, A. 5=1708, Thermionic emission from Ba-coated Ni
+Sandor, J. E. 5=12784, Transistor changes by electron
      microscope
 +Sandorfy, C. 5=11573, Nature of Ham's bands
 +Sandorfy, C. 5=14649, Anharmonicity and H bonds I. Amines
 +Sandorfy, C. 5=14650, Anharmonicity and H bonds. II. Strong O-H. Y
Sandoval, E. + 5=838, Cross section for Au<sup>197</sup>(d, p)Au<sup>198</sup>
Sandri, G. 5=13890, Global master equation
Sandrock, R. + 5=1573, Energy bands of crystals
+Sandru, P. 5=739, Intercomparison of radioactivity standards
      1961-1963
 Sandu, D. 5=15461, Ferrite cores
Săndulescu, A. + 5=830, H3 or He3 reduced widths
+Săndulescu, A. 5=832, Reactions with deuterons
Săndulescu, A. + 5=2769, d and t Reduced widths
Sändulescu, A. 5=8582, Barrier penetrabilities în lpha-decay
Săndulescu, A. + 5=14492, Favoured alpha transitions
Sanfeld, A. + 5=10446, Thermodynamics in an electrostatic field
+Sanford, J. R. 5=2689, Existence of \Omega-hyperon Sanford, J. R. + 5=5015, Nd-doped borate glass lasers
 +Sanford, J. R. 5=5023, Reflector for Q-switched laser
 +Sangodkar, D.B. 5=5260, Efficiency of coincidence tritium counter
 Sani, R. 5=11781, Flow instability in ducts
+Sanielevici, A. 5=740, Calorimetric dose measurements
 +Saniewska, T. 5=5623, Interactions of protons with heavy nuclei
 +Saniewska, T. 5=8499, High-energy nuclear jets
 +Saniewska, T. 5=11024, p [#]-Ag[Br], 17-24 GeV
Sanin, A. A. + 5=14337, Pulse-form discriminator
Sankaranarayanan, A. 5=369, Relativistic wave equations
+Sankaranarayanan, A. 5=370, Kemmer particles
Sankaranarayanan, A. 5=406, Kemmer theory
+Sankaranarayanan, A. 5=5146, Kemmer particle operator
+San'ko, L.A. 5=2564, Production of heavy particles
+Sanna, G. 5=9649, Superconducting ring current decay
+Sannar, R. 5=11013, Transport theory of β-dosimetry
Sannikov, S. S. + 5=2402, Quantum electrodynamics
+Sano, F. 5=3407, Boiling
+Sano, H. 5=15630, Neutron reactions in NaBrO<sub>3</sub>
+Sano, R. 5=13075, NaCl optical properties
```

```
Sano, Y. 5=4506, H-variation of -SI
+Sans, T. T. 5=11580, Molecular vibrations of quinones. IV
Sansom, D. J. 5=14059, Field from conductor of rectangular
 +Santangelo, R. 5=5451, Search for two-body \Sigma^{\dagger} decay +Santhamma, C. 5=11524, BrO<sub>3</sub>, IO<sub>3</sub> and SiBr<sub>3</sub> molecular vibration
      cross-section
 +Santhanam, T.S. 5=2463, Unitary symmetry and charge
      conservation
Santholzer, V. 5=7496, Atmospheric fallout
 +Santon, L. 5=6068, Unsteady flow in porous medium
Santoro, R.P. + 5=4216, Properties of chromium chrysoberyl
Santoro, R. T. + 5=8370, B targets for \gamma-ray production
 +Santos, G. J., Jr 5=12688, Tl superconducting energy gap
 +Sanweiss, J. 5=11036, Antiproton—proton interactions
+Sanz, A. T. 5=8722, Acquisition of nuclear data
Sanzharovskii, A. T. 5=6688, Rupture of polymer films
Sanzharovskii, A. T. + 5=6737, Strength of polymers
 +Sanzone, M. 5=14522, Photodisintegration of Be
 +Sao, K. 5=15682, Electromagnetic waves below 40 c/s
 +Sapoznikov, D. 5=4096, Piezoelectric resonance
Sapp, W.W. + 5=2530, Planar dynode multipliers
 +Sarabhai, V. 5=4648, Interplanetary plasma, magnetic fields
Sarace, J. C. + 5=7394, Injection luminescence in GaAs
+Sarace, J. C. 5=13115, Injection mechanisms in GaAs
+Saraceno, F.S. 5=6307, Phase transitions in Nb-U alloys
Sarachik, M. P. 5=6845, Properties of Mo_{0.8} Nb_{0.2}-(0.2-2.3%) Fe
 +Saralidze, Z.K. 5=1841, Magneto-optical absorption in Ge
Saran, A. + 5=3085, Intermocular potentials for inert gases +Saraswati, V. 5=9863, NMR in Co complexes
 +Sarayeva, I. M. 5=7147, Anisotropy in uniaxial films
 +Sarazin, A. 5=8559, Half-lives of excited states
+Sarbei, O. E. 5=15413, Electron emission of Si p-n junction
+Sarbej, O. G. 5=4034, Si electron mobility
 +Sarbej, O. G. 5=15275, Very thin metal layers
Sardos, R. 5=4975, Microwave reflecto-polarimeter
Sardos, R. 5=7913, Measurement of 9 Gc/s permittivity of powders
Sardos, R. 5=8016, Microwave polarimeter-ellipsometer
Sargent, C.P. + 5=5700, Neutrons from thorium photofission
+Sargent, G.A. 5=1536, Stress relaxation in Nb and Mo
Sargent, W. L. W. + 5=7636, Inclination of Jovian NH3 lines
Sarkar, S. 5=549, Polarization of bremsstrahlung
Sarker, A. Q. 5=8490, H<sup>3</sup> and He<sup>3</sup> form factors
+Sarker, A. Q. 5=10805, Mass corrections in SU(6) symmetry
Sarker, A. Q. 5=14448, Exchange currents in nuclei
Sarker, A. Q. 5=14449, 3H and 3He form factors. II
Sarker, A. Q. 5=14450, Form factors of <sup>3</sup>H and <sup>3</sup>He
+Sarksyan, K. A. 5=11712, Plasma acceleration by e. m. wave
+Sarma, E. A.S. 5=2783, Decay of Ce<sup>143</sup>
+Sarma, J. 5=5283, Wire chamber - computer system
+Sarma, N. 5=8678, (a, d) reaction analysis
+Sarma, Y. A. 5=8866, Substituted methanes. XXXVI
+Sarrak, V. I. 5=12549, Steel structure and brittleness
+Sarrazin, P. 5=12058, Gas—solid kinetics
+Sartory, W. K. 5=10520, Dissipative vortex flow
Sarup, R. + 5=6256, Eigenstates of Pr3+ in LaCl.
Sarychev, V. A. 5=10104-5, Stabilization of satellites
Sarychev, V. A. 5=13643, Gravitational stabilization
+Sarychev, V. A. 5=13644, Gravitational stabilization of
     satellites
Sasaguri, K. + 5=3874, Polyolefin morphology and deformation. II
Sasakawa, T. 5=471, Nonrelativistic scattering theory
Sasakawa, T. 5=673, Self-bound finite nucleus
Sasaki, H. 5=4382, Kinetics of solid-state reaction
Sasaki, H. 5=6364, Growth of BaTiO<sub>3</sub> crystals
+Sasaki, H. 5=9683, Semiconductivity of PbTiO<sub>3</sub>-La<sub>2,8</sub>TiO<sub>3</sub>
Sasaki, H. 5=12148, (Ba-Si)TiO, net patterns
+Sasaki, T. 5=989, Inversion in methylamines
Sasaki, Y. 5=1697, Photoconductivity of SbSi
Sasakura, H. + 5=6650, Coloration of Na-silicate glass
Sasakura, H. + 5=15109, Multi-colors in glass plate
Saski, H. + 5=14965, Single crystal growing method
+Sass, R. L. 5=6488, Crystal structure of SrBr<sub>2</sub>. H<sub>2</sub>O
+Sassi, R. 5=1551, Plastic deformation of α-uranium
+Sastri, V. D. P. 5=13276, Color of tropical daylight
Sastry, C. V. 5=11166, Cosmic rays and solar disturbances
Sastry, V. V. G. + 5=5586, Decay of Nd147 and Tb160
Sastry, V. V. G. + 5=14498, Radioactive decay of Co58
Satchler, G. R. + 5=792, Analysis proton scattering Satchler, G. R. + 5=799, Analysis of (p, n) reactions
+Satchler, G.R. 5=2743, Low excited levels in Ca<sup>42</sup>
+Satchler, G. R. 5=2833, Deuteron scattering by Ca<sup>40</sup>
+Satchler, G. R. 5=2838, Validyt of DWBA in Ca<sup>40</sup>(d, p)Ca<sup>41</sup>
Satchler, G. R. + 5=5683, Shell-model in Ti (o, a') reaction
```

```
Saltruer I F 5. 8511 Nuranotal States of 26Te
Samuer C.R. 5-1256 of 18 spatiering
lainte C.A. 5-14961 Anguar quaunuuniona D. q.; reactiona
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time. Eli tellitt' Apparent for thermal conductivity of
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auer M.C. Jr. - Scilline Police radiolysis studies. VII
Salverore: D. Schlifth Palmarion Brown Agrangeme
Saurreagne P 5-1004 Naverice boad moretion of NE group authored 0 A - 5-1007 Supertonducting gap in Might succeed C A - 5-1007 As-So electrical properties
Saunders, P. A. H. 5=14751, Current sheath diffusion in zeta
Faunders, R. A. 5=2731, lons in mass spectrometers
Faunders, N. 5=11317, p=3<sup>11</sup>=3a and d=B<sup>11</sup>=3a
auge, A. 5-6155, N. M. P. and solute molecular orientation
Saur E 8-1656 Critical currents of Na<sub>2</sub>St
Saur E 5-65676 Preservation and augenominating of No-Sa
Sauras E 8-6564 Mono and curocular major
auner F - 5-9778 Energy states from sput-wave meory
fewer E 1-14114 isompe separation of different
erro D S - Bellika Technique for preparing folia
is age A Salbiff Option interactions in Livion.
anage ( ) . - Sellese. Francis season waves
Panel en E G. S-8718 Common roos of reamons
antienati M. A. S-1956 Magnett-slastic waves in authorito-
   magnetics
Sanctienko, M. A. 5=7177, Antiferromagnetic magnetoelasticity
Sauchenko, M. A. 5-12885, Susceptibility of ferromagnetic
     DECETALE
archenio, M. K. 5=4179, Ferromagnetic domain structure
Se cleaks M. K. Sel1991 Domains is, William magnetization
be the total M. K. Selling Domains in deformed N.
is the unit of Fig. 7 feets emission semiconductors are sell of A - 5.2072 intermolecular observation of see
Saveller, V. A. 5-9867, MMR and structure of ice
evel'er, V. Ya. + 5-11050, Pulses in neutron-counters
tises, ena A.C. 5=590. Generation of r*-mesons
Sa e, ena A.P. 5=6736. Ageing of thermoelement branches
fem entro (.A. Seidel Coemic registion beyond atmosphere
a eres (.A. Seillis Ragistor obserband spaceships
e was the belief but recairs a equipma region
The state I A Selight Paramoral 201-401 Km
Servic P $-5046 Laser-induced spark if air
artic, P. + 5=10514, Magnetogasdynamic interaction cools
that if E. P. 5=1056 Internal magnetic facins of W. Ru in Fe
for meet 3. A. 1-12481. Morrorarchess of airail mainte crystal
Serveraya L.K. 8=146% Recuerrormon of impurities in Co
er lakt. A.P. - S=146) Replantonion of impunites in Co
dam iskul E.M. &=1898 Wagneroelesinis phenomena in gaoslinium
a man. E.M. ~ %=18190 Nb-Zr magnets
arinsicii, K. V. + 5=15157, Annealing effects on Cu-Al
arinsicii, K. V. + 5=15196, Formation of cracks
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+Schuko,O.B. 5=13742, Lunar radio emission
 +Schüle, W. 5=6704, Deformed Cu vacancies
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 +Schüle, W. 5=15273, Recovery of electrical resistance in
        quenched Cu
 Schuler, C.C. 5=6802, Ho i.r. absorption band +Schuler, K.E. 5=2075, Nonequilibrium thermodynamics
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 +Schulman, J. H. 5=3937, Electron transfer in Fe-Ni surface
 Schulman, J. H. + 5=15591, Luminescent S centers
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 +Schulte, R. 5=5400, Resonance production by \pi + p
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 +Schultz, G. V. 5=7397, Fluorescence of Nd in Al<sub>2</sub>O<sub>3</sub>:Cr, Nd
 +Schultz, H . 5=12563, Recovery of deformed Zr
 +Schultz, J. 5=11125, \Sigma—\Lambda relative parity Schultz, J. M. + 5=9480, Dislocations in zinc
+Schultz, L. 5=13227, Krypton and xenon in oceans
Schultz, T.D. + 5=62, Ising model of many fermions
 Schultz, T. J. 5=4811, Octave-band levels
+Schultze, K. 5=5321, Neutrino interactions
 +Schultze, K. 5=11120, \beta-decay of \Lambda
 +Schulz, A. G. 5=11630, He—Ne discharge
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 +Schulz-Dubois, E.O. 5=14139, Difference frequency signal in
Schumann, H. 5=14830, Liquid structure by X-rays. I
Schumann, P. A. Jr. + 5=4067, Turn-off delay of Ge n-p-n mesa
+Schumann, P. A., Jr 5=12707, Measurement of resistivity of Si
 +Schumann, W. 5=6677, Laser determination of internal stresses +Schumicki, G. 5=9250, Chemisorbed \rm D_2 and \rm H_2 exchange
```

```
+Schunke, R. H. 5=10209, Calibration of weights
Schürerová, E. 5=9556, Internal friction of whiskers
Schurr, J. M. 5=1211, Dielectric dispersion of colloidal particles
Schüssler, H. A. 5=8764, Rb<sup>85</sup> and Rb<sup>87</sup> hyperfine structure
Schuster, D. M. 5=6751, Sapphire whiskers elastic effects
Schütte, D. 5=14596, Shell model alkali atom
Schuttler, B. + 5=502, Solid detectors
+Schuurman. W. 5=224. Electrostatic lens system
+Schwab, F. 5=13918, Surface waves at a corner
Schwabl, F. + 5=8038, Quantum theory of laser radiation
Schwartz, B. B. + 5=9644, Superconductor flux quantization
Schwartz, C. 5=5393, Fixed-source field theories
Schwartz, C. 5=8239, Bethe-Salpeter equation
+Schwartz, C.M. 5=1376, High-pressure form of FeVO<sub>4</sub>
+Schwartz, C. M. 5=6315, High-pressure polymorphs of Zr<sub>2</sub>P<sub>2</sub>O<sub>7</sub>
+Schwartz, C. M. 5=12203, Preparation and structure of InTe
+Schwartz, D. 5=14321, Decision-making spark chambers
+Schwartz, D. M. 5=513, Spark chamber pulsing
 +Schwartz, J. L. 5=8733, Thomas-Fermi model
Schwartz, L. H. 5=9333, Cu<sub>3</sub>Au intensities: correction
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Schwartz, M. + 5=10337, Acoustic characteristics of foams
Schwartz, M. 5=10477, Classical electrodynamics
+Schwarz, E. 5=10371, Roll cells of interfacial convection Schwarz, E. J. 5=10099, Thermomagnetism of sulphide ore
 Schwarz, K. K. + 5=13099, radioluminescence of alkali halides
 +Schwarz, K. W. 5=11838, Viscous flow between cylinders. VI
 Schwarz, S. + 5=11334, The Li<sup>6</sup>(n, \alpha)H<sup>3</sup> reaction
 +Schwarzschild, A. 5=14350, Fast delayed coincidence technique
+Schwarzschild, A. Z. 5=2557, \frac{1}{3}e particles in cosmic rays +Schwarzschild, A. 5=5538, Excited states in Ru<sup>99</sup> and Xe<sup>129</sup>
 +Schwarzschild, M. 5=4570, I.R. spectra of red-giant stars
Schwegler, H. 5=1777, Multipole relaxation theory
Schweiger, F. 5=13832, Problem of Kepler
Schweimer, W. 5=14340, Time-to-pulse-height convertor
+Schweiss, H. 5=4405, Flash apparatus for photochemistry
 Schweitzer, D. + 5=12736, Conductivity of n-Ge in d. c. field +Schweitzer, D. G. 5=3983, Surface superconductivity. I
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+Schweitzer, D. G. 5=7084, Surface superconductivity diamagnetism
 +Schweitzer, D. G. 5=12672, Ginzburg-Landau coefficient in super-
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Schweitzer, N. M. J. + 5=350, B-wave in electroretinography +Schweitzer, W. G., Jr. 5=10671, Zeeman filter
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      molecular properties
 +Schwenker, R.P. 5=1882, Triplet state lifetimes in solids
+Schwenker, R. P. 5=4337, Intermolecular energy transfer. II
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+Schwider, J. 5=5081, Two-beam interferometer
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Schwink, C. 5=14265, Hardening of polycrystals
Schwink, C.+ 5=15173, Plastic behaviour of polycrystalline Ni
+Schwob, J.L. 5=14696, Reabsorption and H ionization in dis-
      charges
Schwochau, K. + 5=4167, K_2Tc[Re] (halogen) magnetism
+Schwochau, K. 5=11548, Tc[Re] hexahalide absorption spectra
Schwochau, K. 5=12219, K<sub>2</sub>(TcF<sub>6</sub>)-type crystal structures
Schwoebel, R. L. 5=3576, Condensation of gold on gold +Schwoerer, M. 5=6651, R-centres in KCl
Sciacca, T. P. + 5=6412, Electron microscopy of graphite
Sciama, D. W. 5=5437, CP violation in K° decay and Mach
Sciama, D. W. 5=7784, Erratum: general relativity
 +Sciama, D. W. 5=10113, Structure of the Universe
 Sciama, D. W. 5=13731, Intergalactic gas r.f. absorption
 +Sciuti, S. 5=5607, γ-resonant scattering in Rb, Ni, Cd
Sclar, C. B. + 5=12203, Preparation and structure of InTe +Scott, A. B. 5=9501, M_4 band in KCl and KBr
Scott, B. L. 5=8777, e-H scattering
+Scott, B.W. 5=1688, Thermoelectric power of Cu alloys. II
 +Scott, C. G. 5=15400, Photoconductive properties of CdS
Scott, G. D. + 5=11493, Size of molecules
+Scott, H. D. 5=7475, Backscattering strength of ice
+Scott, K. F. N. 5=4801, Velocity of sound in air
Scott, L. L. + 5=10663, Focal isolation systems
 Scott, N.W. 5=10161, Colour on moon
Scott, P.B. + 5=2498, Saturation currents in ionization chambers +Scott, P. F. 5=10157, Interplanetary scintillation of radio sources
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Scott, P. L. + 5=7215, E.S.R. in double nitrates
+Scott, P. L. 5=9371, Orbach relaxation coefficient LaF<sub>3</sub>: Er<sup>3+</sup>
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Scott, R. L. 5=11859, Phases in solutions of S. I
+Scott, T. A. 5=13006, N. M. R. in solid NF<sub>3</sub>
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+Scott, W. C. 5=9371, Orbach relaxation coefficient LaF<sub>3</sub>:Er<sup>3+</sup>
+Scott, W. T. 5=2371, Wave packet variances
+Scotter, D. 5=14439, K* resonances
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+Scrimaglio, R. 5=10917, Magnetic analyser for scattering
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+Scrimaglio, R. 5=11069, High energy loss of mesons. I
+Scrimaglio, R. 5=14427, Pair production by muons
+Scrivener, O. 5=11788, Turbulent friction in ducts
+Scrocco, E. 5=5842, Atomic orbitals for H2
+Scullman, R. 5=961, Spectrum of PtH and PtD
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+Scully, C. N. 5=14711, Axial flow from exploded cylinder
+Scurlock, R. G. 5=6246, Nuclear Mn fields in Mn<sub>5</sub>Ge<sub>5</sub>
+Scurlock, R. G. 5=13001, H<sub>eff</sub> at Co in Co—Fe alloys
Seaborn, J. B. + 5=14535, Angular distributions in ^{27}Al(p, \gamma_0)^{28}Si
Sear, R. + 5=2493, Focusing collimator
+Searcy, A. W. 5=6226, Vapor pressure and sublimation of gallium
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Sears, V. F. 5=6547, Schottky anomaly +Seaton, M. J. 5=1970, Central stars of planetary nebulae
+Seaton, M. J. 5=3127, H-ionization by electron impact
Seaton, M. J. + 5=5796, Scattering of electrons by C atoms
Seaton, M. J. 5=13714, Far u.v. astronomy
Sebacher, D. I. 5=11609, He—N collisions excited by e-beam
 +Sebe, T. 5=11218, Structure of sd-shell. I
Sebenne, C. + 5=1907, Oxygen chemisorption kinetics
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+Sebo, P. 5=1260, Guinier-Preston zones in Al alloys
Sechi-Zorn, B. + 5=640, Λ-p scattering cross-sections
+Sechi-Zorn, B. 5=2686, Sigma leptonic decays
+Sechi-Zorn, B. 5=2687, Masses of \Sigma , \Sigma hyperons +Sechi-Zorn, B. 5=5450, Leptonic decays of charged \Sigma
+Secoy, C. H. 5=12070, Heat of immersion of ThO in H2O +Secrest, D. 5=2962, Weinstein calculation on H2 ^{\circ}
Sedlacek, P. + 5=12229, Structure of strontium metavanadate Sedlacek, P. + 5=12230, Structure of strontium metavanadate
 +Sederholm, C. H. 5=5903, Solvents and F19 spin-spin coupling
+Sedov, B. M. 5=289, Emission spectrum of CaF<sub>2</sub>:Sm<sup>2*</sup> laser
+Sedov, B. M. 5=10628, Light amplification
 +Sedov, V. E. 5=13047, GaAs light source
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 +Seebold, R. E. 5=13079, X-ray yield for electron excitation
 +Seebold, R. J. A. 5=12676, Losses in superconductors
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 +Seeger, A. 5=12346, Point defect production
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       quenched Cu
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 +Seeger, K. 5=12736, Conductivity of n-Ge in d. c. field
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 +Segel, R. E. 5=802, Proton capture by Bi1
```

+Segel, R. E. 5=8540, Single state for E1 resonance +Segel, S. L. 5=12999, Cl n. m. r. in FeCl₂ +Segel, S. L. 5=13008, Knight shift in Sc and Y Segmüller, A. 5=1518, Internal strain in Ge and Si Segre, G. 5=597, Pion-pion interaction +Segre, G. 5=14284, Model of weak interactions Seibel, G. 5=3710, Diffusion of radio-tracers +Seibert, G. 5=12848, Electron exo-photoemission of Al Seidel, H. + 5=6651, R-centres in KCl +Seidel, T. E. 5=6894, Reactance of superconducting films Seiden, J. 5=15435, Scattering of neutrons by a ferromagnet Seiden, J. 5=15436, Neutron scattering by ferromagnet Seiden, P. E. + 5=9830, Two-magnon ferrimagnetic resonance Seidl, M. 5=3221, Electron heating in a mirror machine Seidman, A. 5=14556, \alpha-spectrum analysis Seidman, D. N. + 5=12359, Vacancy annealing in gold +Seifert, H. G. 5-3952, Radiation from Ag targets Seiler, H. + 5=9760, High secondary electron emission +Seiler, H. 5=10025, Be reformation by irradiation +Seiler, P.G. 5=5320, Neutrino interactions +Seiler, R. F. 5=835, Cross sections for O16 reactions Seiler, R. F. + 5=2832, d-Scattering by N¹⁴ at 700-2100 keV Seitchik, J. A. + 5=4271, Knight shift of Pd Seitchik, J. A. + 5=15521, N. M. R. of Rh¹⁰³ in rhodium +Seivastava. K. D. 5=209. Insulation for pulsed magnet Seiwatz, R. 5=3626, Surface structures for Ge and Si Sekerka, R. F. 5=6354, Mullins-Sekerka interface stability +Seki, S. 5=1417-18, Heat capacity of CoCl, 2H,O +Seki, S. 5=5609, Photoprotons from fluorine and carbon Sekido, K. + 5=1593, Cyclotron resonance in germanium Sekigawa, K. 5=11537, NO; electron structure Sekiguchi, N. + 5=15638, Extrapolation of polar motion Sekine, K. 5=8216, Dynamics of composite particle +Sekine, K. 5=8237, Mass and binding +Sekinobu, M. 5=1598, Hall effect in manganese antimonide +Sekizawa, H. 5=12965, Ferromagnetic resonance in garnet +Selby, M.J. 5=4593, Densities in gaseous nebulae +Sel'chenkov, L. I. 5=11382, Fission product yields Selecki, A. 5=5816, Electrolytic isotope separation Self, S. A. 5=11627, Low-pressure discharges Seliger, W. 5=8094, Optical electronic positioning system +Selisskii, Ya. P. 5=6844, Electrical resistivity of Fe-Co Selivanenko, A.S. 5=3341, Quenching of luminescence Selivanova, I. A. + 5=7872, Radiant flux alternation coefficient +Selke, E. 5=8727, Time-of-flight mass spectrometer +Sella, C. 5=6392, Epitaxy on alkali halides +Sellen, D. B. 5=12545, Dynamic behaviour of rubber Sellen, J. M., Jr. + 5=11676, Synthesized plasma streams Sellin, I.A. 5=2898, 2s State of the H atom +Selove, W. 5=2558, Fractionally charged particles Sells, C.C.L. 5=1165, Surface tension effect on waves Selte, K. + 5=3637, Structures of Nb3Se4 and Nb3Te4 Selters, W. 5=2139, Adaptation and fatigue Seltzer, M. S. 5=12321. Diffusion of Mn into GaAs Seltzer, M. S. + 5=12327, Diffusion of S in PbS crystals +Semchyshen, M. 5=3857, Strength of Fe-rich Fe-Mo-B+Semenchuk, G. G. 5=8693, $\rm U^{238}$ fission by 26.5 MeV α 's +Semenenko, M. N. 5=1308, Recrystallization nuclei in Ni Semenko, S. F. 5=8535, Nucleic giant dipole resonance +Semenkov, V. F. 5=14333, Multidimensional data analyzer Semenkovich, S. A. 5=6778, Semiconductor forbidden zones +Semenov, A. N. 5=4786, Formation of shock wave +Semenov, B. Z. 5=15564, E. P. R. in Ni-activated crystals Semenov, Ya.A. + 5=1574, Forbidden band width of PbS Semenova, L. S. + 5=12118, Growth of K₂Cr₂O₇ crystals Semenovskaya, S. V. + 5=3673, Phonon spectrum of Ni₃Fe Semenovskaya, S. V. + 5=6515, Phonon spectrum of nickel +Semenyushkin, I. N. 5=8367, High-energy particle separation +Semiletov, S. A. 5=12046, Production of GaSb films Semiletov, S. A. + 5=12047, InSb thin films Semiletov, S. A. + 5=12049, Structure of PbTe films +Semionovas, J. 5=15557, Pressure effect on PbS spectrum +Semkina, V. A. 5=15467, Magnetic anisotropy of Ni-Zn-Co ferrite

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Sen, A. K. 5=13553, Magnetospheric boundary
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Sen, H. K. + 5=14734, Collisions in hydromagneto-ionic theory
+Sen, K. K. 5=7813, Spherical geometry I. — Diffusion
+Sen, K. K. 5=11053, Neutron transport problem
Sen, R. K. 5=1420, Debye—Walker temperature factor

+Sen, R. K. 5=15160, Elastic constants of 1, 8-dihydroxyanthraquinone +Sen, S. K. 5=9601, Band structure of silver Sen, S. N. 5=4946, Millimetre wave generation Sen, S. N. + 5=10480, Electron mobility, magnetic field +Senderoff, S. 5=11871, Surface tension of fluorides +Sene, M. 5=603, π^+ d interactions at 4.5 GeV/c Senftle, F.E. + 5=12933, Magnetic properties of Ni-Fe spherules Sen Gupta, P.K. 5=4452, O. extra-terrestrial constant +Sen Gupta, S. P. 5=6559. The thermal expansion in Cu. Au +Sengupta, P. 5=12957, Exchange integral in Cu propionate Sengupta, P. R. 5=13472, Ionosphere and nuclear explosions Sengupta, P. R. 5=13835, Inclusion in aeolotropic medium +Sengupta, R. L. 5=12862, Knock-on electrons +Sengupta, S. 5=8526, Spectra of asymmetric nuclei Senhouse, L.S., Jr. 5=709, Excited states of Li6 +Senior, T. B. A. 5=10227, Low-frequency scattering Senior, T. B. A. 5=13958, Acoustic scattering characteristics of sphere Senitzky, J. R. 5=10756, Quantum mechanics. III +Sens, J.C. 5-456. Pseudoscalar coupling constant Seong Kwan Rhee, + 5=6286, System Cr-Zr-O Sepmeyer, L. W. 5=13966, Modes of vibration in rooms +Seppi, E. J. 5=8041, Raman oscillator-amplifier +Seppi, E. J. 5=11240, Coriolis coupling in nucleus W183 +Seppi, E. J. 5=11277, γ -rays following Ta¹⁸², ¹⁸³ decay +Septier, A. 5=5804, Lithium ions collision with rare gases Septier, A. + 5=7977, Lithium ion source +Sequeira, A. 5=3653, Neutron-diffraction of K₂C₂O₄. H₂O Sequeira, A. 5=11982, CN ion rotation in KCN Serafimov, K. + 5=1950, Electron-density in D-region +Serafimov, K. 5=4496, Electron density in D-region Serafimov, K. + 5=4499, Electron density in E-layer Serafimov, K. + 5=4500, Electron content in E-layer Serafimov, K. + 5=4502, Electron density in F-region Serafimov, K. + 5=8015, Radio waves in ionosphere Serafymov, K. 5=4498, Balance in the E layer +Seraphim, D. P. 5=15290, Clustering in superconducting Al-Zn +Seraphim, D. P. 5=15334, Surface effects on Si Seraphim, D. P. + 5=15627, Electrochemistry of Si-SiO₂ films +Serb-Serbina, N. N. 5=6333, Combined adsorption on kaolin +Serdyuk, V. V. 5=12822, Quenching of CdS photoconductivity Serebrennikov, Yu. I. 5=10974, Elastic collisions of particles +Serebrov, L. A. 5=12797, Electron-excited conductivity in dielectrics Serebrov, L. A. + 5=12863, NaCl secondary electron emission +Serebryakov, V. A. 5=8049, Complex laser oscillation modes Sergeev, N. M. 5=15514, Relaxation time by n. m. r. Sergeev, N. M. + 5=15520, N. M. R. in polyisobutylene Sergeev, V. L. + 5=1042, Electric arc heater +Sergeev, Yu. D. 5=2084, Flexural waves on plate Sergeeva, G. G. 5=12597, Energy spectrum of solid solutions +Sergeeva, K. Y. 5=6133, Effect of cavitation on liquid viscosity +Sergeeva, V. M. 5=1434, Thermal conductivity of Sm and Pr Series, G. W. 5=913, Lamb shift measurement Series, G. W. + 5=8767, Lifetime and h. f. s. of Tl +Series, G. W. 5=11448, (6s26d)2D3/2 level of Tl I +Serikov, J.N. 5=657, $He^3(d, t)2p$, $He^3(He^3, \alpha)2p$ reactions +Serin, B. 5=3996, Specific heat of superconductors Serin, P. A. + 5=13180, Spectrochemical analysis by plasma jet Serkov, V. V. 5=3970, Galvanomagnetic paradox +Serment, J. 5=12077, Mn orthosilicate, orthothiogermanate +Sernagiotto, F. 5=3274, Problems in kinetic theory +Serov, V. Ya. 5=8711, High temperature reactor +Serova, I. A. 5=4093, Ferroelectric Na_{0.5}Bi_{0.5}TiO₃+PbTiO₃+Sertorio, L. 5=10834, Bound-state problem Servajean, R. 5=13774, Corona at eclipse of 15/2/61. I Servant, R. 5=6998, Permittivity of gypsum Servant, R. + 5=7206, Magnetic resonance and solid dielectrics Servant, R. 5=7253, E.P.R. sodium thiosulphate +Servoz-Gavin, P. 5=7948, Free radicals for magnetometry +Serway, R. A. 5=998, Spectrum of CO in calcite +Serway, R. A. 5=4235, ESR of Cr3+ in MgO +Serwent, V. 5=5605, Fine structure in direct reactions +Sery, R.S. 5=4192, Charged particles on magnetic materials Seshadri, S. R. + 5=2266, Radiation from source near interface +Sesnic, S. 5=3222, Synchrotron radiation from a plasma Seth, K. K. + 5=810, Neutron scattering spectra Seshadri, N. 5=15658, Echo top of atmosphere Seshadri, S. R. + 5=6006, Surface waves on plasma sheath Seshadri, S. R. 5=8011-12, Wave propagation in compressible ionosphere. I-II

```
Seshadri, S.R. 5=14724, Radiation sources in plasma
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Seshagiri Rao, M. G. 5=1182, Ultrasonic absorption in solutions +Sesnic, S. 5=3161, Synchroton radiation from a plasma
+Sessier, A. M. 5=520, Mura electron accelerator II
+Sessler, A. M. 5=14373, Instabilities in particle accelerators
+Sessler, A. M. 5=14374, Instabilities in particle accelerators
Sestini, G. 5=9170, Nonlinear Stefan problem
Seth, K. K. + 5=5652, s-, p- and d- wave neutron functions
+Seth, K. K. 5=8413, p-d polarization
+Seth, K. K. 5=8642, Scattering of 6 MeV neutrons
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+Setti, R. L. 5=8521, p-He<sup>3</sup> resonance in Λ He<sup>4</sup> decay
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+Severin, H. 5=12942, Ferrites of hexagonal structure
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+Severny, A. B. 5=13783, Solar flares
+Severynse, G. T. 5=4451, Size distributions of aerosols Sevier, K. D. 5=8565, Tl<sup>208</sup> 39. 85 keV half-life +Sevranckx, R. 5=11082, π*-p at 500MeV
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+Sexl, R. 5=6912, Effective mass approximation
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+Seymour, E. F. W. 5=11919, Liquid InSb n. m. r.
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 +Sferrino, V. 5=2133, Channel vocoder
Sforza, P. M. + 5=9030, Diffusing, relaxing gas flow
Shabalin, E. P. 5=4557, Neutrino stellar luminosity
+Shabalin, K. N. 5=3549, Rotating crystal growth
+Shablya, A. V. 5=11604, Reduction of phthalocyanines by Na
 +Shachar, G. 5=15105, Field inhomogeneities in ZnS
Shack, R.V. 5=338, Photographic transfer function Shadrin, V.S. + 5=7025, Ge piezo-thermo e.m.f.
Shaffer, H. L. 5=132, Transmission of connected speech
+Shaffer, J. 5=4793, Acoustic output of deep explosive
Shaffer, J. C. + 5=10585, Semiconducting masers
Shaffer, P. T. B. 5=4695, High-temperature materials. I
+Shaffer, P. T. B. 5=6758, Thermal expansion of carbides Shaffer, P. T. B. 5=6753, Hardness of silicon carbide
 Shaffer, P. T. B. + 5=9223, BC-SiC phase equilibrium
 Shafranov, V.D. 5=6049, Equilibrium of plasma column
 +Shafranova, M. 5=8410, p-p scattering from 2 to 10 GeV
 +Shafronova, M. G. 5=8458, \pi -p scattering at 4 GeV/c
 +Shah Guang-Chang, S. 5=5631, Resonance levels of Na<sup>23</sup>(p, \alpha)
 +Shah, G. Z. 5=14528, Nucleon scattering by C
 +Shah, T.P. 5=5499, Decay of heavy hypernuclei
 Shah, V. V. + 5=15272, Electrical properties of films
 +Shahbazyan, B. A. 5=2560, Isobar state systems and decay modes
 +Shaker, M.O. 5=11379, (n, \gamma f) Process
+Shakeshaft, J.R. 5=4531, Counts of radio sources
Shakhnazaryan, Yu.G. 5=2592, Polarized electrons and positrons
Shakhov, E. M. 5=4851, Temperature in solid with heated surface
 +Shakhova, K. I. 5=12024, ZrCr<sub>2</sub> polymorphism
 +Shakhova, Ts. I. 5=5285, Ionization losses in emulsions
 Shakhovskoi, G. P. + 5=11835, Viscosity of liquid
Shakhovskoi, N.N. 5=4575, Radiation of variable stars. I
 Shakhovtsova, S. I. 5=15404, Current-voltage characteristics of
      CdS and CdSe
 Shakhparonov, M. I. + 5=9088, Structure of ethyl ether and
     acetone in chloroform
Shakhsuvarov, D. N. + 5=14119, Dipole in layered medium
+Shakin, C.M. 5=2712, Correlations in nuclei
 +Shakin, C. M. 5=14468, Correlation structure of nuclei
 +Shakin, C. M. 5=14469, Systems with singular interactions
+Shaklee, F.S. 5=2669, Leptonic decay of K meson
Shaklee, F.S. + 5=2670, Branching of K meson
 +Shaldervan, P. H. 5=15026, Phonon Green's function
 +Shaldin, Yu. V. 5=15372, Dielectric constant
 +Shaleiko, M. A. 5=14342, AIM A-2 pulse analyzer
Shalimova, K.V. + 5=1698, Photocurrent of cadmium sulfide
Shalimova, K. V. + 5=1858, Reflection spectra of zinc sulfide
Shalimova, K. V. + 5=12021, Crystal structure of ZnS
Shalimova, K. V. + 5=12192, CdS crystal structure
 Shalimova, K. V. + 5=12726, Currents in CdS films
+Shallcross, F. V. 5=6921, Electron mobility in CdS films Shal'nikov, A. I. 5=7906, Charge motion in solid He
 Shal'nikov, A. I. 5=15897, Device for local cooling
+Shalnikova, T.A. 5=1744, Magnetization in hematite
+Shalnikova, T.A. 5=1788, Hematite antiferromagnetic resonance
```

```
Shaltiel, D. + 5=9857, ESR and NMR in La<sub>1-x</sub>Th<sub>x</sub>Ru<sub>2</sub>
+Shalyt, S.S. 5=1565, Conduction band in indium arsenide
Shalyt, S. S. + 5=4031, New oscillation of magnetoresistance
Shalyt, S.S. + 5=6931, Oscillation of magnetoresistance of n-InSb
Shalyt, S. S. \pm 5=12587, Conduction band in mercury selenide
+Shalyt, S. S. 5=12740, InSb magnetoresistance
Sham, L. J. 5=3676, Phonon frequencies in Na
+Sham, L. J. 5=10297, Oscillations in electron gas
Shamfarov, Ya. L. 5=12971, Spin-lattice relaxation
+Shamir, J. 5=11011, Twin counter for beta detecting
+Shamraev, V. N. 5=14207, Achromatic \lambda/4 device
+Shanabarger, M. R. 5=4226, Permalloy spin-wave resonances
+Shanbazyan, B. A. 5=8482, \Lambda by isobars in \pi-p interactions
Shand, E. B. 5=15162, Strength of glass
+Shand, J. A. 5=2249, EM interference at 1.f.
Shandorov, G.S. 5=14800, Gas volume evacuation
+Shane, E. D. 5=11714, Microwave reflection by plasmas
+Shane, J. R. 5=4234, Paramagnetic resonance in CaWO<sub>4</sub>:Cr<sup>5+</sup>
+Shanina, B. D. 5=12966, E. P. R. in magnetic fields
Shannon, R.D. 5=3478, Phase transformations in TiO2
Shapet'ko, N. N. + 5=11597, Chemical shifts of p in OH.... O
+Shapiro, A. 5=2576, Spark chamber for \gamma-rays
+Shapira, A. 5=5443, Y_1* production by p+p
+Shapira, A. 5=5449, \Lambda-p scattering
+Shapira, Y. 5=15040, Ultrasonic behavior of Nb-25%
+Shapiro, A. M. 5=5398, \pi^{-}+p \rightarrow \eta^{o}+n \text{ to } 1151 \text{ MeV}
+Shapiro, A. M. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV +Shapiro, A. M. 5=11019, N_{33}^* (1238), \rho^\circ production
+Shapiro, A. M. 5=14434, \pi^- p charge exchange
Shapiro, C. S. + 5=10284, Equilibrium of neutron gas
+Shapiro, F. 5=3619, Neutron crystal investigations
+Shapiro, F. L. 5=809, Scattering length and neutron cross section
+Shapiro, F. L. 5=823, Capture of neutrons
+Shapiro, F. L. 5=5356, n polarization by polarized p's
Shapiro, I. I. 5=13343, Orbital effects of charge drag
Shapiro, I. S. + 5=8614, Treiman-Yang criterion.
Shapiro, K. A. + 5=10411, He II fourth sound velocity
+Shapiro, L. 5=1223, Field potentials in CaF,
+Shapiro, V.D. 5=3202, Plasma oscillations by electron beam
Shapiro, Yu. A. 5=2223, Calculation for e.m. lenses
 +Shaposhnikov, I. G. 5=15430, Complex paramagnetic
     susceptibility
+Shaposhnikova, E. F. 5=13783, Solar flares
Shapoval, B. I. 5=3842, Internal friction of metals
Shapoval, B. I. + 5=6744, Effect of B upon properties of Ni
Shapoval, E.A. 5=1627, Electrodynamics of superconductors
Sharan, B. + 5=3927, Coupling coefficients of Cs halides +Sharan, B. 5=9369, Phonon spectrum, specific heat
Sharapov, É. I. 5=10986, Scintillation (n,\gamma)-detector Sharapov, É. I. 5=11046, Scintillation detector
Sharifov, K. A. + 5=3916, Forbidden zone and Gibbs energy
+Sharlai, S. F. 5=1873, Luminescence of ruby crystals
 +Sharma, A. 5=8762, States of N atoms from N2 recombination
 +Sharma, B. D. 5=9419, Zr-Al and zircaloy-Al diffusion
 +Sharma, B. L. 5=4033, PbTe for thermoelectric generator
Sharma, J. + 5=6607, Defects in alkali halides
Sharma, M. N. + 5=3414-5, Cohesive energies. I-II
 +Sharma, M. N. 5=12789, Flexible artificial dielectric
+Sharma, N. K. 5=3246, Variational principle for a fluid
Sharma, N. K. + 5=3247, Variational principle for couette flows
+Sharma, N. K. 5=14089, Relativity for hydromagnetic fluid
Sharma, R.D. 5=3037, Erratum: spin-spin interaction in CH,
+Sharma, R. P. 5=760, Decay of Cd<sup>115m</sup>
Sharma, R. R. + 5=3424, Fields in corundum-type lattice
Sharma, S. D. 5=6639, Dislocations in NaCl
 +Sharma, S. D. 5=9475, Dislocations in NaCl crystals
Sharma, S. R. + 5=14089, Relativity for hydromagnetic fluid
Sharman, P. K. + 5=3674, Phonon frequencies of Na
Sharnoff, M. 5=1797, E.P.R. in tetrahedrally coordinated Cu<sup>2*</sup> Sharonov, V.V. 5=13741, Volcanic layers on moon
 Sharonov, Yu. A. + 5=12539, Calorimetric study of amorphous
     polymers
 +Sharov, B. V. 5=6615, Atomic displacements in Fe, Cu and W
 +Sharp, D. H. 5=4538, Adiabatic gravitational collapse
 +Sharp, G. W. 5=13466, Ionospheric ion traps
Sharp, J. H. + 5=9745, Photoconduction in anthracene
 Sharp, J. V. + 5=9455, Edge dislocations and dipoles
 Sharp, J. V. 5=12406, Zn etch pits
+Sharp, L. E. 5=14709, Density decaying H plasmas
 +Sharp, P. 5=656, He3 from D interactions
 Sharp, R.D. + 5=13387, Low-energy auroral electrons
Sharp, T.E. + 5=2936, Franck-Condon factors for molecules
```

```
Sharpe, J. + 5=12838, Conference on electron emission +Sharpey-Schafer, J. F. 5=5681, J dependence of (d, p) reactions
+Sharpless, N. E. 5=9839, Quinquevalent Cr complex
+Sharpless, R. L. 5=7409, Atomic association and airglow
+Sharratt, E. W. 5=15070, Counter diffusion in graphite
Shashkov, Yu. M. + 5=12121, SiC growth from Si melt
+Shaskol'skaya, M. P. 5=3807, Dependences of damping factor
+Shaskol'skava, M. P. 5=3860, Internal friction in Life
+Shaskol'skaya, M. P. 5=15184, Internal friction in AgCl
Shatsova, R. B. 5=13705, Planck distribution of stellar velocities
+Shaukat, M.A. 5=693, Heavy He hypernucleus
+Shavrin, P. I. 5=10102, Radiation dose aboard spaceships
+Shavrin, P. I. 5=11145, Soft radiation in equatorial region
+Shavrin, P. I. 5=13347, Radiation at 200-400 Km
Shaw, B.J. + 5=1536, Stress relaxation in Nb and Mo
Shaw, D. F. 5=10934, He and H<sub>2</sub> bubble chambers
+Shaw, G. G. 5=9463, Dislocation rearrangement in Al
+Shaw, G. L. 5=2605, Nucleon-nucleon scattering
+Shaw, G. L. 5=8262, Uncoupled-phase in multichannel N/D
+Shaw, G. L. 5=11092, Width of resonances
+Shaw, G. L. 5=14301, One-channel N/D equations
+Shaw, J. 5=8760, U. V. spectra from Ne beams
Shaw, J. H. 5=5041, Fermat's principle and geometrical optics
+Shaw, J. H. 5=11503, Absorptance of CO and CH,
+Shaw, R. W., 5=1630, Superconducting transition of Pb-In alloys
+Shaw, R. W., Jr. 5=14889, Cu phthalocyanine vapour pressure
+Shaw, T. M. 5=1065, Recombination of electrons with NO* Shaw, T. M. + 5=14128, Microwave cavity
+Shawhan, S. D. 5=7541, Ion gyrofrequency observed in satellites
 +Shchegolev, G. M. 5=7989, Flow of a conducting gas
 +Shchegolev, I.V. 5=7183, Dibenzene Cr iodide antiferromagnetism
 +Shchegolev, V. A. 5=10935, 200-l Bubble chamber
 +Shchegoleva, T. V. 5=6692, Plastic deformation of Al-Ag alloy
 +Shchekin, K. I. 5=12855, Photomultiplier sensitivity
+Shchekochikhina, V. V. 5=10387, Pt resistance thermometer
 +Shchemelev, V. N. 5=15417, X-ray photoemission
 Shchemlev, V. N. + 5=15418, X-ray photoemission
Shchennikov, V. V. 5=14790, Boundary layers of sublimating
      rotating bodies
 +Shcherbakov, Yu. A. 5=8446, Muon capture in He3
 +Shcherbakova, M. N. 5=5339, \gamma-production by p's in emulsion +Shcherbedinskii, G. V. 5=1437, Diffusion and grain-boundary
     energy
 Shcherbina, A. G. 5=9736, Design of thermopiles
 Shcherbina, D. M. 5=10378, Temperature in solar furnaces
 +Shcheveley, M. I. 5=15095, Dislocations in Ge films
 +Shchukin, E. D. 5=6684, Adsorption weakening of metals
Shea, M. A. + 5=11162, Cosmic-ray equator
 +Shea, M. F. 5=527, Mura electron accelerator. IX
 +Shea, M. F. 5=528, Mura electron accelerator. X
Shebalin, I. Yu. 5=11942, Liquid H<sub>2</sub> evaporation
Shebalin, I. Yu. 5=13999, Evaporability of liquid hydrogen
 +Shebeko, A. V. 5=11284, Blow-up of nuclear boundary
 Shedlovsky, J. P. + 5=12434, Radionuclides in Fe on p
      bombardment
 +Sheehan, P. J. 5=10350, Emittance measurements of solids
 Sheeley, E.C. + 5=144, Temporal integration as function of
      frequency
 Frequency Sheft, I. + 5=6213, XeF<sub>e</sub> preparation and melting point +Shehata, L. N. 5=8694, Fission fragment kinetic energy
 +Sheiko, V.P. 5=2255, Field distribution in resonator
 Sheindlin, A. E. + 5=1177, Thermal properties of molten corundum
 Sheindlin, A. E. + 5=10394, Laboratory furnace up to 3000°C
 +Sheĭnkman, M.K. 5=4133, Internal photoeffect in CdS
 +Sheinkman, M. K. 5=12823, Photocurrent noise CdS crystals
 Sheka, D. I. 5=3894, Splitting of hole bands
 Sheka, E.F. 5=4333, Spectra of naphthalene derivatives
 +Sheka, V. I. 5=3953, Combination resonance at acceptors
 +Shekalov, A. A. 5=15480, Ferromagnetic resonance device
 Shekhmamet'ev, R. I. + 5=12821, Photoconductivity and
       luminescence in CdS
 +Shekhter, V. M. 5=5247, Regge pole trajectories
 +Shekun, L. Ya. 5=12973, E. P. R. of Ce^{3+} in crystals +Shekun, L. Ya. 5=12982, E. P. R. of Gd^{3+} in PbMoO<sub>4</sub>
 +Shekun, L. Ya. 5=12987, E. S. R. of Nd3+ in PbMoO4
 +Shelaev, I. A. 5=10506, Cyclotron source of Ne ions
  +Shelaev, I. A. 5=10955, Electron loading of cyclotron
 Sheldon, J. W. 5=5142, Schrödinger equation phase shifts
 Sheldon, J. W. + 5=11460, e scattering by Cs atoms
 +Sheldon, R. 5=209, Insulation for pulsed magnet
 +Shelemina, V.M. 5=1097, Plasma absorption coefficient
 Shelepin, L. A. 5=10763, SU, symmetry
```

```
Shelest V. P. + 5=10872, Relativistic three body problem
+Sheline, R. 5=8529, Deformed even nuclei
Sheline, R. K. + 5=733, Energy levels of Dy<sup>165</sup>
+Sheline, R. K. 5=5522, Rotational bands in O<sup>16</sup>
Sheline, R. K. + 5=8548, Nb<sup>94</sup> low-lying states
+Sheline, R. K. 6=11235, Energy levels in Ho<sup>166</sup>
+Shelley, P. E. 5=7719, Differential equation with double transition
Shelmerdine, A. B. 5=6724, Mechanical properties of iron
Shelton, R. D. + 5=15848, Meteoroid distributions
+Shelton, W.N. 5=733, Energy levels of Dy16
Shelvkh, A. I. + 5=9721. Thermoelectric power of semiconductors
+Shen, Y. R. 5=8042, Stimulated Raman emission
Shenderov, E. L. 5=13952, Sound transmission through plate
Shenderov, E. L. 5=13957, Sound diffraction by slits
 +Shenderovich, A. M. 5=10440, Shaping of pulses
+Shenderovich, A. M. 5=10467, Ferrite magnet
Shenker, H. + 5=1703, Photoconduction of B-doped Ge
Shenker, H. 5=7039, Photoconductivity in InSb
 +Shenoy, G. K. 5=14893, Ionic characters from Mössbauer shifts
 +Shepard, J. J., Jr. 5=10379, Miniature temperature probe
Shepard, K. W. 5=12817, Photocurrents through Aloo,
 +Shepard, L. A. 5=15192, Mechanical behaviour of 2-phase
      W-Ni-Fe
Shepard, R. N. 5=4816, Judgments of relative pitch
 +Shephard, W. D. 5=5399, Absorption in \pi^- + p \rightarrow \pi^- + \pi^\circ + p
 +Sheppey, G.C. 5=439, Lepton pairs
 +Shepheard, R. G. 5=3853, Creep-rupture of Hastelloy-X
+Sher, E. M. 5=9734, Thermoelectric refrigerator
 +Shera, E. B. 5=734, Levels in 75Re188
 +Shera, E. B. 5=14327, Time marker circuit
 +Sherbakov, Yu. A. 5=8343, High-pressure streamer chamber
 +Sherby, O. D. 5=3843, Creep of Cu from 400° to 950°C
+Sherby, O. D. 5=6667, Young's modulus and internal friction
 +Sherby, O. D. 5=12510, Order and mechanical properties of
      Fe-Co
 Sherebrin, M. H. + 5=2163, Time response of calorimeter
 +Sheremet, N. I. 5=15606, Luminescence of anthracene
 +Sheridan, K. V. 5=7662, Solar radio bursts
 Sherman, C. H. 5=4795, Acoustic radiation from cylinder
 Sherman, C. H. 5=13941, Radiation resistance transducers
 +Sherman, H. J. 5=14439, N* resonances
 +Sherman, I.S. 5=2520, Response of semiconductor detectors
 Sherman, I.S. + 5=4364, Electron response of NaI(T1)
 +Sherman, R. H. 5=2173, 1962 3 He scale
 +Sherman, R. H. 5=4843, 1962 He<sup>3</sup> scale of temperatures. I
 +Sherman, R. H. 5=4844, 1962 He<sup>3</sup> scale of temperatures. II
 +Sherman, R. H. 5=4845, 1962 He<sup>3</sup> scale of temperatures. III
 Sherman, R. H. + 5=4846, 1962 He<sup>3</sup> scale of temperatures. IV
 +Shermergor, T. D. 5=6671, Polycrystal temperature relaxation
 +Sheronov, A. A. 5=4130, Field emission from Ge
 +Sherr, R. 5=2555, Beam spread with Princeton cyclotron
 Sherrard, H. 5=5283, Wire chamber - computer system
 +Sherrard, H. 5=8312, Digitized spark chamber
  +Sherrill, F. A. 5=12199, X-ray diffraction in Cu
 +Sherrington, D. 5=944, Electrons in molecules
+Sherwood, B. 5=14321, Decision-making spark chambers
 +Sherwood, R.C. 5=4213, Substitution Co in YFe garnet
+Sherwood, R.C. 5=4222, Magnetic Susceptibility of PrO<sub>2</sub>
  +Sherwood, R. C. 5=7161, Gd Fe garnet studies
+Sherwood, R. C. 5=7189, Transition metal tungstates
  +Sherwood, R. C. 5=9814, Rare-earth iron garnets
 +Sherwood, R. C. 5=12944, Y-free ferrimagnetic garnets
  +Sherwood, R. C. 5=12953, Substitution of Ti<sup>4+</sup>, Cr<sup>3+</sup> and Ru<sup>4+</sup> in
       YFe garnet
 Shestopalov, V. P. + 5=243, Diffraction of e.m. waves +Shestopalov, V. P. 5=4956-7, E.M. waves in periodic
       structures. I-II
 +Shestopalov, V. P. 5=4968, E,M,waves in ring waveguide Shestoperov, V. Ya. 5=590, Generation of \pi^{\rm o}\text{-mesons}
  +Shevchenko, A. K. 5=5032, Modulation of light
  +Shevchenko, A. K. 5=10414, Nsec e-pulse generator
 +Shevchenko, V. G. 5=5610, Majorana forces in 1d-2s nuclei
  +Shevchenko, V. Ya. 5=4094, Polarization of triglycine sulfate
 +Shewchun, J. 5=4045, Tunneling current structure
 Shewchun, J. + 5=6958, Germanium-silicon heterojunctions
 +Shewman, P. G. 5=14945, Ag surface free energy
Shi Bing-ren 5=6043, Stability of compressible plasma column
  +Shi Dian-cheng. 5=9900, Strain shifts on CuO lines
 Shibata, A. 5=4057, GaAs Esaki diodes
 +Shibata, Ε. 5=2639, Structure in π<sup>-</sup>-p charge exchange
+Shibata, H. 5=9312, Structure of oxidised Ag—Cd
 Shibata, S. + 5=11532, H_2O and D_2O structures
```

```
+Shida, S. 5=1917, \gamma-radiolysis of cyclohexane Shida, Y. + 5=5531, Ca<sup>50</sup> decay scheme +Shida, Y. 5=5638, Proton bombardments and states in Ba<sup>130</sup>
+Shield, E. 5=8495, He<sup>3</sup>(d, t)2p at 24.7 and 33.4 MeV
+Shields, H. 5=4413, E.S.R. spectra of N-alkylureas Shields, H. + 5=9836, t-butyl radical ESR
+Shields, L. 5=1188, Solvation spectra. VIII
+Shields, R. P. 5=8724, Release of fission products
Shifrin, G. A. + 5=6318, Antimony evaporator
Shifrin, K. S. + 5=5035, Pressure of light on water drops
Shifrin, K.S. + 5=6204, Inversion of indicatrix for "soft" particles
+Shiga, M. 5=7134, Mössbauer effect in a-Fe<sub>2</sub>O<sub>3</sub>
+Shigarev, A.S. 5=3560, Recrystallization of austenite
 +Shigin, V. A. 5=2857, Fission of Pa<sup>231</sup> and Pu<sup>239</sup> at 1.5-1500 keV
 +Shigorin, D. N. 5=11597, Chemical shifts of p in OH....O
 +Shih Hsio-Chang. 5=10996, Cerenkov radiation from extended
      charge structures
Shiina, S. + 5=11735, Slow theta pinch plasma
+Shikazono, N. 5=14901, Fe<sup>57</sup> Mössbauer effect in UO<sub>2</sub>
 +Shikhov, S. B. 5=8714, Effect of geometry of a reactor
+Shikin, V. B. 5=12461, Diffusional creep in solids
+Shikin, V. B. 5=15132, Viscous flow of solids
+Shileika, A. Yu. 5=1574, Forbidden band width of PbS
+Shileika, A. Ya. 5=15543, CdTe spectrum under pressure
+Shilshiyanu, F.S. 5=3714, Diffusion of Au in GaAs
+Shilter, E. 5=910, Na atom calculation
+Shima, K. 5=10849, Lie algebras of rank 3
+Shimada, H. 5=10954, Electrostatic quadrupole lens for
Shimada, R. + 5=11558, {}^{1}A_{2}(n, \pi^{*}) \leftarrow {}^{1}A_{1} in carbonyl compounds
+Shimamoto, S. 5=7951, High-field electromagnet
Shimanouchi, T. + 5=982, Organic i.r. spectra
Shimanouchi, T. + 5=5827, Calculation of force constants
+Shimanovich, V.D. 5=8936, Spectral displacement in an arc
Shimanskaya, N.S.+ 5=2767, Mean energies of \beta-spectra +Shimanskii, A. M. 5=14333, Multidimensional data analyzer
 +Shimanskyı, Yu. I. 5=14836, Solution of benzol-propyl alcohol
+Shimashek, E. 5=1611, Kohler's rule by indium
Shimazaki, T. 5=13525, Night F electron profiles
Shimazu, M. + 5=279, Laser oscillations in discharges
 +Shimchak, G. F. 5=11047, ZnS(Ag) + B<sub>2</sub>O<sub>3</sub> n detector
+Shimizu, H. 5=3054, Magnetic multiple resonance theory
Shimizu, J. + 5=6965, Double injection in Si p-i-n structures +Shimizu, M. 5=1690, Thermoelectric power of Pd-Ag
Shimizu, M. + 5=3054, Magnetic multiple resonance theory
Shimizu, M. + 5=4170, Susceptibility of transition metals VII +Shimizu, M. 5=9809, Magnetic properites of Pd and Pd alloys
 Shimizu, M. 5=15837, Jovian upperatmosphere. I
 Shimizu, M. 5=15840-1, Cytherean and Martian upper
      atmosphere. I-II
 +Shimizu, S. 5=9202, Mössbauer effect of 57Fe
 +Shimizu, S. 5=10911, Li-drifted Si detectors
Shimizu, T. + 5=4256, Spin-lattice relaxation in Si
Shimizu, T. 5=6575, Low-temperature thermal conductivity of p-Ge
 Shimizu, T. 5=15312, Impurity scattering in semiconductors
 Shimoda, K. + 5=10615, Stabilization of He—Ne maser
 +Shimoida, H. 5=11076, Four-momentum transfer
 Shimoiv, L. L. 5=8765, Rubidium spectral lines
+Shimomura, Y. 5=1325, Voids in quenched Al
 +Shimon, L. L. 5=899, Spectral lines of Cs
Shin, E. E. H. 5=3985, Absorption in superconductors
Shin, H. 5=2930, Vibrational energy transfer
 Shin Hyung Kyu. See Hyung Kyu Shin.
Shin, Y. M. + 5=781, Photoprotons from carbon
Shinada, M. 5=943, Optical rotatory dispersion
 +Shinagl, I. 5=10937, Bubble chamber photographs
 Shinji, K. + 5=10954, Electrostatic quadrupole lens for
      accelerator
+Shinjo, T. 5=7134, Mössbauer effect in \alpha-Fe<sub>2</sub>O<sub>3</sub>
Shinoda, G + 5=3728, Diffusion in Ti-Ag
Shinoda, G. + 5=3809, Strain measurement by diffraction
Shinoda, T. + 5=1417-18, Heat capacity of CoCl<sub>2</sub>.2H<sub>2</sub>O
Shinohara, Y. + 5=2868, Optimization of Xe poisoning
Shinohara, Y. + 5=5715, Optimisation of xenon poisoning
+Shionoya, S. 5=1875, Luminescence in ZnS:C1 crystals Shionoya, S. + 5=9972, Luminescence center in ZnS
+Shionoya, S. 5=14980, Growth of SnO_2 single crystals +Shiotsuki, Y. 5=9703, Air in ice and frictional charge
+Shipinel', V. S. 5=5497, Counter for recoilless \gamma-rays Shirafuji, J. + 5=9692, GaAs-Ge junction
 +Shirafuji, J. 5=12772, Intermetallic compound Esaki diodes
```

```
Shirato, S. + 5=2861, U<sup>238</sup> fission by 55 MeV protons
+Shirgaokar, A. J. 5=13615, Geomagnetic effect of explosion
Shirk, J. S. + 5=15843, Deuterated water on Mars
+Shirkov, A. V. 5=12975, E. S. R. of Cr ions in CdWO4
+Shirkov, A. V. 5=14049, Magnetoresistance at He temperatures
+Shirley, D. A. 5=730, Conversion electrons from Ce<sup>137m</sup>
+Shirley, D. A. 5=8557, γ-spectroscopy on 155-day Ln<sup>177</sup>
+Shirley, D. A. 5=11965, Hyperfine field measurement
Shirley, D. A. + 5=14895, Hyperfine fields in Fe lattice +Shirley, D. A. 5=14898, Ag nuclei polarization +Shirn, G. A. 5=9706, Oxide films on Ta
+Shirobokikh, T. M. 5=4093, Ferroelectric Na<sub>0.5</sub>Bi<sub>0.5</sub>TiO<sub>3</sub>-PbTiO<sub>3</sub>
Shirokov, V.I. 5=3342, Quenching of luminescence
Shirokov, Yu. M. 5=10874, S-matrix field theory
Šhirvaitis, A. I. + 5=15399, Sb<sub>2</sub>S<sub>3</sub> photosensitivity
+Shishido, K. 5=13989, Large solar furnace
+Shishiyanu, F. S. 5=12322, Diffusion of Zn in GaAs
Shishkin, G. V. 5=5322, Leptons in neutrino interactions
+Shiskin, L. A. 5=12895, Susceptibility of ferromagnetic materials
+Shishkin, N. I. 5=13088, Annealing of oriented polystyrene
+Shively, F. 5=11074, Single pion production
+Shively, F. T. 5=643, S=-2 baryon systems
Shivrin, O. N. + 5=6644, Al broadening of X-ray lines
+Shivrin, O. N. 5=13062, X-ray reflections from Mo
Shizuta, Y. 5=579, Neutron thermalization theory
Shizuta, Y. 5=14419, Neutron thermalization
+Shkatula, A. A. 5=11047, ZnS(Ag) + B<sub>2</sub>O<sub>3</sub> n detector
Shklovskii, I.S. 5=4606, Jets in radio galaxies
Shklovskii, I.S. 5=4609, Gaseous envelope
Shklovskii, I.S. 5=13730, Variation of radio source 1934-63
+Shklyarevskii, I. N. 5=304, High reflection coefficients
+Shkoda, V. V. 5=5984, Polarization of plasmoids
+Shkoda-Ul'yanov, V. A. 5=8624, n yield of \gamma-nuclear reaction
Shkol'nikov, E. V. + 5=3554, Crystallization of AsSe, Ge, glasses
Shlaer, W. J. 5=14379, Shunt impedance of cloverleaf accelerator
+Shlippe, G. I. 5=14049, Magnetoresistance at He temperatures
+Shmartsev, Yu. V. 5=7036, Photoconductivity of GaP
+Shmartsev, Yu. V. 5=15333, Galvanomagnetism in n-Si
+Shmatko, O. A. 5=3468, Deformation and recrystallisation of Ni +Shmelev, A. N. 5=8714, Effect of geometry of a reactor
Shmiglyuk, M. I. + 5=15247, Exciton series in Cu<sub>2</sub>O
+Shneerov, B. E. 5=15642, Heat flux into ground
+Shneider, Yu. P. 5=7885, Flame propagation in flows
+Shnyrev, G. D. 5=14210, Achromatic half-wave plate
+Shoaib, K. A. 5=8955, Ionization of mercury
Shockley, T.D., Jr. 5=2264, Radiation fields of loop antenna
Shockley, W. + 5=4072, Charges on Si p-n junctions
+Shockley, W. 5=12712, Hall measurements
Shoda, M. + 5=3103, Ar-Hg discharge afterglows. I
Shoeck, G. 5=12375, Energy of dislocation movement
Shoemaker, C. B. + 5=6465, Order of atoms in P phase and R phase
+Shoemaker, D. P. 5=6465, Order of atoms in P phase and R phase Shoemaker, E. M. 5=13739, Geology of the moon
Shohet, J. L. 5=8986, Electron density of plasma
Shohno, K. 5=15358, Forward characteristics of Si p-i-n diodes
 +Sholin, G. V. 5=5989, Shock waves in collision-free plasma
+Sholin, G. V. 5=11719, Plasma decay
Sholomitskii, G.B. + 5=4603, Radio sources at 32 cm
Shoon Kyung Kim. + 5=6107, Viscosity of dense gases
+Shopauskas, K. 5=7499, Air radioactivity
 +Shorb, A. 5=3733, Relaxation of point defects in NaCl
 +Shore, H. 5=8799, Molecular binding
 +Shore, R. A. 5=14731, Leaky waves in plasma layers
+Shorokhov, O. A. 5=14138, Non-axial stimulated radiation
+Shorrock, J. C. 5=9181, Xe and Kr vapour pressures
Short, M. A. + 5=12102, Homogeneous Bi-Sb crystal growth
Shorygin, P. P. + 5=11481, Light scattering and fluorescence
Shotkin, L. M. 5=8706, Nonlinear reactor
+Shotov, A. P. 5=9947, Radiative recombination in GaAs
 +Shotov, A. P. 5=12602, GaAs energy level spectrum
+Shotov, A. P. 5=12760, Current-voltage characteristics of GaAs
Shpak, E. V. + 5=4908, Achromatic e.m. quadrupole lens
 +Shpak, M. T. 5=7379, Spectra of stilbene in tolane
Shpak, M. T. + 5=15606, Luminescence of anthracene
 +Shpeizman, V. V. 5=15134, Lifetime of metals
 +Shpetnÿi, O. I. 5=10943, Spark chamber
 +Shpigel, I. S. 5=11761, Stabilization of plasma
+Shpil'rain, E. E. 5=2986, Thermodynamics of NaK molecule
 +Shpinel, V.S. 5=5587, Decay of Nd isotopes
 +Shpinel', V.S. 5=6253, Sn<sup>119</sup> Mössbauer effect in Ag alloys
 Shpinel', V. S. + 5=11979, Mössbauer effect in Sn organics
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+Shpinel', V.S. 5=14480, Selective γ -ray counter

```
+Shount, A. A. 5=1470, Dislocations in lithium fluoride
Shrednik, V. N. + 5=12054, Surface concentration of Na on W +Shreider, E. Ya. 5=5062, Sensitivity of spectral analysis
+Shreider, E. Ya. 5=8112, Spectral intensities in the vacuum region
+Shrestha, G. M. 5=4939, M.H.D. flow through porous channels
+Shrier, A. 5=3603, X-ray lattice measurements
+Shtal, M. Z. 5=5587, Decay of Nd isotopes
+Shteinberg, A. A. 5=14009, Measuring impulse voltages
Shtirskii, P. 5=5716. Control circuit of cold reactor
Shtrakhman, K.M. + 5=6755, Relaxation effect in Ag—C.
+Shtrakhman, K.M. 5=6756, Anelastic effect in Ag—In
Shtrakhman, K. M. + 5=15181, Relaxation in solid solutions
+Shtreis, Ya. I. 5=15480, Ferromagnetic resonance device
+Shtrikman, S. 5=7155, Coercivity in orthoferrite crystals
+Shu Hung-dar. 5=9680, InSb mechanical damage
Shu Kwang-tze. + 5=7260, E.S.R. of Na<sub>2</sub>O-V<sub>2</sub>O<sub>5</sub>-P<sub>2</sub>O<sub>5</sub>
Shu Shih-guang, + 5=4436, Radio waves in tunnels
Shu Yung-lan. + 5=2219, Charged particles in magnetic field
 +Shuba, I. M. 5=10862, g-Plane in Schroedinger theory
+Shubalov, I.K. 5=3022, Stimulated raman radiation
 +Shubin, A. A. 5=1843, Optical constants of Au
 +Shubnikov, A. V. 5=12119, Growth rate of K2 Cr2O2
 Shubnikov, A. V. 5=14961, Complete symmetry
 Shuey, R. T. 5=9698, Tunneling across semiconductor junctions
 Shuey, R. T. 5=15212, Electron—phonon interaction in Ge +Shugart, H. A. 5=11197, Magnetic moments of Au<sup>194</sup>, 195, 196
 +Shuin, T. 5=9312, Structure of oxidised Ag-Cd
 +Shukhman, V. A. 5=10471, Printed circuits for memory elements
+Shukhtin, A. M. 5=8915, Pulsed discharge in helium
Shukla, J. B. 5=2241, Conducting power-law fluids
 Shukla, M. M. 5=12291, Cu and Au heat capacities
Shukla, M. M. 5=9370, Vibrational frequencies of Cu
 +Shuler, K. E. 5=78, Relaxation of Lorentz gas
 +Shul'man, A. R. 5=7065, Reflection of electrons from W
+Shulman, R. G. 5=5918, Binding of Mn<sup>2+</sup> to nucleic acids
 Shulman, R. G. + 5=6254, M. O. analysis of Fe-group cyanides Shulman, R. G. + 5=13003, KCoF<sub>3</sub> n. m. r. +Shulman, R. G. 5=13009, N. M. R. study of Sc<sub>3</sub>In
 Shumate, M. S. 5=7324, Refractive indices of BaTiO<sub>3</sub>+Shumov, S. D. 5=15542, Reflection spectra of crystals
 +Shur, Ya.S. 5=4201, Magnetostriction curves of Si iron
 +Shur, Ya. S. 5=7119, Co domain structure
+Shur, Ya. S. 5=7131, Thermomagnetic treatment of alloys
 +Shur, Ya. S. 5=7171, Mg-Mn-Fe ferrite properties
Shur, Ya. S. 5=15441, Angular dependence of coercive force
 Shura-Bura, M. R. + 5=30. Dynamical use of memory
  +Shurin, A. K. 5=12000, Phase diagram of Cr-Os system
 +Shurmovskaya, N. A. 5=4123, Work function of a metal
 +Shuryghin, A. 5=13762, X-ray radiation of sun
+Shushlebina, N. Ya. 5=12121, SiC growth from Si melt
 Shuskus, A.J. 5=1802, E.S.R. of strontium oxide
 +Shustin, O. A. 5=13067, Polarisation in quartz near-transition
       temperature
 +Shustrov, B. N. 5=14819, Mass spectrum of residual gases
  +Shute, G. G. 5=11222, Photonuclear giant resonance in Si<sup>28</sup>
 +Shutilov, V. A. 5=3689, US measurements in solids
  +Shutilov, V. A. 5=14848, Acoustic velocity in formamide
       solutions
 +Shutt, R. P. 5=2689, Existence of \Omega-hyperon Shuvalov, L. A. + 5=9886, Optical activity of ferroelectrics
 +Shvachunov, I.N. 5=212, Motion of charged particles
  Shvets, M. E. + 5=15642, Heat flux into ground
 Shvidkovskii, B. G. + 5=6390, Growing cadmium whiskers
 Shwe, H. + 5=5381, Life of \pi^{\circ} +Shyne, J. 5=9516, Activation energy of internal friction
  +Shyne, J. C. 5=15168, Creep in In-glass composite
 Sibley, W. A. + 5=1485, Colorability of KCl
+Sibley, W. A. 5=9914, Light scattering in KCl
 Sibley, W. A. + 5=12542, Hardening and coloration of KCl
  +Sibley, W. L. 5=13655, Echo I-type satellites
 Sicha, M. + 5=7005, Permittivity of Se at 3.3 cm
Sideman, S. + 5=4828, Evaporation of drops in liquid
 +Sidenius, G. 5=2743, Low excited levels in Ca42
  +Siderov, A.S. 5=10434, Current discriminators
 +Sidorenko, F. A. 5=12005, Fe<sub>3</sub>Si superstructure at elevated
        temperatures
  Sidorov, S.K. + 5=12937, Mn concentration and magnetism
        of Ni-Mn
 +Sidorova, N.P. 5=172, Thermal conductivity of liquid metals
+Sidorova, T.S. 5=3438, Short-range order in Cu-Al and Cu-Zn
 +Sidorova, T. S. 5=3847, Yield point of Cu-base solid solutions
```

```
Sidorovich, A.V. + 5=3479, Vitrification of polystyrene and poly-
      vinvl acetate
+Siebenmann, P. G. 5=1635, Critical currents of Nb.Sn.
Siebrand, W. 5=3946, Polaron bands and carrier mobility
+Siegbahn, K. 5=7408, Laser—fluorescence in anthracene
+Siegbahn, K. 5=5581, Two -quantum decay of In<sup>114m</sup>
+Siegbahn, K. 5=14486, Electron directional correlation
      spectrometer
+Siegel, B. 5=5933, Glow-type discharges
Siegel, B. M. 5=2224, Electron microscope
+Siegel, B. M. 5=6344, Morphological changes in thin copper
+Siegel, D.S. 5=13942, Free-field correction for microphones
Siegel, K. M. 5=10536, Reflection and radar astronomy
+Siegel. M. H. 5=352. Color sensitivity
+Siegel, R. W. 5=12358, Au vacancy defect annealing
Siegel, S. + 5=6460, Crystal structure of KF<sub>2</sub>
+Siegel, S. 5=8789, Luminescence decay
Siegert, H. J. 5=8705, Neutron spectrum near resonances
+Siegman, A. E. 5=2353, Optical frequency translation
+Siegman, A. E. 5=8065, Energy density in laser cavity
Siemiarczuk, T. 5=594, \pi^0 production +Siemiarczuk, T. 5=14544, \pi^-N in Xe, 9 GeV/c
+Siemińska, J. 5=798, Li<sup>8</sup> fragments from emulsion interactions
Siemińska, M. 5=5625, Interaction of protons with heavy nuclei
 +Sierakowski, R. L. 5=4731. Deformation of inhomogeneous
     material
Siethoff, H.+ 5=1481, Stacking faults in Ge and InSb
Sievers, A. J. 5=3678, Ir resonance in Ag: potassium halides
 Sievers, A. J. + 5=15035, I. R. lattice absorption in KI
 +Sievert, P. R. 5=15270, Galvanomagnetic effects in metals
Siffert, P. + 5=499, Li diode nuclear radiation detector Siffert, P. + 5=501, Surface barrier detectors
Siffert, P. + 5=2517, Rectifying in surface barrier detectors
 +Sigalov, A. G. 5=5136, Spectrum of differential operators
+Sigalova, Z. V. 5=7882, Thermal conductivity of granular system. Sigmond, R. S. 5=7898, Valve for refill systems
 +Signell, P. 5=8403, Nucleon—nucleon scattering
+Signell, P. 5=14459, Nuclear matter binding energy
 +Sigov, Iu.S. 5=14702, Bodies in flow of plasma
 Sigov, Yu. S. 5=8969, Plasma and magnetic field
 Sigut, Z. 5=7132, Coercive force of steel
 +Siivola, A. 5=11258, Delayed a decay of Na20
 Siivola, A. + 5=11271, \alpha-decay of Gd^{149,151} +Sikka, S. K. 5=3653, Neutron-diffraction of K_2C_2O_4. H_2O
 +Siklos, T. 5=11246, Energies in 228 \le A \le 254
 +Sikolenko, V. F. 5=10900, Photography of spark counters
 Sikora, D. I. 5=2593, y-Quanta from a primary electron
 Siksna, R. 5=14695, Recombination of air ions
 +Sil, N. C. 5=8811, Electron capture by protons
 Silalnikas, V. + 5=15415, Electron emission from Si
 Silant'ey, A. N. 5=10991, Gamma-ray spectrometer
+Silberberg, R. 5=2566, High-energy nuclear interactions
+Silberg, P. A. 5=5007, Theta-pinch for laser pumping
 +Silbernagel, B. G. 5=6899, Superconducting transition temperature
 Silberstein, R. 5=15724, Deviated path observations
 +Silbey, R. 5=1022, Excited electronic states of two polymers Silbey, R. + 5=9591, Hole mobility in anthracene
 +Silbey, R. 5=1022, Excited electronic states of two polymers
 +Silbey, R. 5=3941, Excitons in molecular crystals
 Silbey, R. + 5=11552, Orbitals in aromatic molecules
 Silbey, R. + 5=12621, Excitons in anthracene crystals
 +Silcock, J. M. 5=6272, Formation of \theta from \theta' in Al-4% Cu Silcock, J. M. + 5=9477, Dislocations in Nb-containing steels
 +Silcox, J. 5=1634, Magnetization of superconducting Nb-25% Zr
+Silcox, J. 5=9645, Annihilation instability in superconductors
 +Sileika, A. 5=15557, Pressure effect on PbS spectrum
 +Silgailis, J. 5=6735, Creep-rupture of MgO
+Silin, V.A. 5=11712, Plasma acceleration by e.m. wave
 +Silin, V.P. 5=1716, Thermomangetic phenomena
 +Silin, V.P. 5=3169, EM wave interactions in a plasma
Silin, V.P. 5=5981, High-frequency plasma conductivity
 +Silin, V. P. 5=8982, Optics of inhomogeneous plasma
 +Silk, J. K. 5=8912, Helical discharge
 Sill, L. R. + 5=9725, Seebeck effect in rare-earths
 Silsbee, R. H. 5=15113, R center in KCl
 Silva, J. Andrade e. See Andrade y Silva, J. Silva, R. J. + 5=721, Nuclear levels of Cd<sup>115,117</sup>
Silven, S. 5=33, Motion of rigid bodies
Silven, S. 5=10220, Point in rotating coordinate system
 +Silver, A. H. 5=12998, N. M. R. in CdS
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```
+Silver, M. 5=4369, Two-photo absorption in anthracene
Silver, M. 5=11899, Electrical conduction in insulating liquids
Silvera, I. F. + 5=1770, Antiferromagnetic \alpha-CoSO_4 Silverberg, L. 5=5474, n-p in quasi-particle model
 +Silverman, A. 5=5430, \gamma-production of the \rho^{\circ}
 +Silverman, H. M. 5=15722, Scintillations of a radio star
 +Silverman, S. J. 5=12310, Thermal conductivity of laser semi-
Silverman, S. M. + 5=2953, The X ^1\Sigma^+ \rightarrow A ^1\Pi transition in CO Silverman, S. M. + 5=7513, Day-time aurora
+Silverstein, E. A. 5=11312, Li<sup>6</sup>-proton scattering Silverstein, J. + 5=5679, Deuteron stripping on Mg<sup>26</sup>
+Silverstein, S.D. 5=1769, Spin-waves in antiferromagnetics
Silverstone, C. E. + 5=6301, Onset of martensitic transformation
Silverstone, H.J.+ 5=1793, Molecular orbital degeneracy in \rm C_7H_7 +Silvertooth, E.W. 5=14213, Compensation zoom lens
Silvestri, V. J. + 5=6393, Epitaxy of Zn-doped GaAs
Silvestrini, V. 5=8468, Photoproduction and neutral decay of \eta
 +Sil'vestrovich, S.I. 5=6714, Cold-hardening effect of glass
Sim, G.A. 5=1356, Determination of phases
Sim, P. J. 5=10712, Moiré fringe measurement
Sima, V. 5=6406, Growth of grains in Al alloys +Simak, V. 5=5421, Evidence for (K\pi\pi) resonance
 +Simánek, E. 5=1796, Paramagnetic resonance of Cu<sup>2+</sup> in CdWO<sub>4</sub>
 Simánek, E. 5=9870, Transverse n. m. r. in Ni
Simanek, E. + 5=12607, Band gap in SrTiO<sub>3</sub>
+Simeček, T. 5=4854, Laboratory tube furnaces
+Simha, R. 5=3310, Polymer liquids and glasses
+Simha, R. 5=6149, Polymer and oligomer liquids
+Simma, R. 5=1171, Tait equation parameters
 +Simmen, B. 5=6733, Workhardening of magnesium
 +Simmons, H. E. 5=11499, Excimer formation
+Simmons, J. 5=8450, Exchange in \pi^*\,p\to p~\pi^*\pi^0 at 4 GeV/c
Simmons, J. D. + 5=3045. Vibrational frequencies of pyrimidine Simmons, J. E. + 5=8691, Pu fission anisotropy +Simmons, R.O. 5=1391, X-ray diffraction of Ag
+Simmons, R.O. 5=1424, Thermal expansivities of Si and CaF<sub>2</sub>
+Simmons, R.O. 5=3697, Thermal expansion and defects in AgCl
+Simmons, R.O. 5=9429, Al-Mg alloy vacancies
 +Simmons, W. F. 5=13933, Acceleration by exploding wires
 Simon, G. 5=15249, Helicon-waves in metals
Simon, G.W. + 5=4668, Solar atmosphere. III
 +Simon, J. 5=10629, Laser action in Eu benzoylacetonate
Simon, K. 5=8198, Quantization in curvilinear coordinates
Simon, R. 5=15806, Oscillations in atmosphere
Simon, R. 5=13690, Gravitational instability in nebula
 +Simon, T. 5=6266, Sintering of tungsten rods
Simon, W.G. 5=850, Molière's theory of scattering
Simonenko, D. L. 5=7495, Products of nuclear explosions +Simoni, A. 5=5174, Irreducible representations of {\rm SU_3}
Simonov, Yu. A. 5=10863, Partial amplitude singularities
+Simonova, Yu. N. 5=4835, Measurement of thermal conductivity
Simons, D. G. + 5=11368, p polarization from B<sup>10</sup>(He<sup>3</sup>, p)C<sup>12*</sup>(4.43 MeV) 5=11368
Simons, L. + 5=5549, Gamma decay of Pr^{143} and Ho^{165}
Simons, L. 5=8532, Nucleic \alpha-particle excitation Simons, L. + 5=14536, Cl^{35,37}(p,\gamma) from 800 keV to 2050 keV
Simons, S. 5=194, Resistance inequalities
+Simova, P. 5=4334, Polyethylene i. r. spectra
+Simpson, F. B. 5=5368, n spectrometer backgrounds
Simpson, J. A. 5=2598, Electron spectrometer
+Simpson, J. A. 5=4477, Electrons beyond magnetosphere
Simpson, J. H. 5=4046, Forward voltage of p—n junction. I—II
Simpson, J. J. + 5=8546, Coulomb excitation
Simpson, O. D. + 5=5368, n spectrometer backgrounds
Simpson, P. G. + 5=9319, X-ray crystallography
+Simson, J. P. 5=11826, Vacuum cryosorption pump
+Sinanoğlu, O. 5=895, Theory of atoms and molecules. IV
+Sinanoğlu, O. 5=896, Theory of atoms and molecules. V +Sinclair, C. K. 5=5430, \gamma-production of the \rho^{\circ}
+Sinclair, D. 5=2669, Leptonic decay of K meson
+Sinclair, D. 5=2670, Branching of K<sup>+</sup> meson
Sinclair, R. M. + 5=9018, Stellarator hydromagnetic instability
+Sinclair, R. M. 5=14738, Ion cyclotron waves
+Sinclair, R. N. 5=2794, Scattering law for graphite Be and BeO
+Sinel'nikov, K. D. 5=5999, Plasma and magnetic field
+Sinel'nikov, K. D. 5=11702, Plasma trapping
+Sinel'nikov, K. D. 5=11754, Instabilities in plasma
+Sinel'nikov-Murylev, G. A. 5=14684, Discharge energy measure-
+Sinepol'skii, O.I. 5=1727, Weakly ferromagnetic antiferromag-
      netic materials
```

```
+Sines, G. 5=1453, Growth of Guinier-Preston zones
 +Singer, G.D. 5=7384, Luminescence of alkali ozides
 +Singer, K. 5=11420, One- and two-electron wavefunctions
 +Singer, P. 5=11103, K<sub>e4</sub> decays
 +Singer, R. M. 5=6659, Irradiated graphite
 +Singer, S. 5=15867, Electrons at 17.7 earth radii
+Singer, S. F. 5=4475, Density in an ion-exosphere
+Singer, S. F. 5=4512, West Ford experiment
Singer, S. F. 5=4513, Magnetospheric coulomb interaction
Singer, S. F. 5=13639, Meteorological satellites
Singer, W. 5=5564, Emanating source of radon
Singh, A. 5=2254, Beam-plasma amplifiers and oscillators
Singh, A. K. + 5=3621, Structure of AsBr,
Singh, A. K. 5=6436, Remounting crystal along specified direction
Singh, D. + 5=233. Hydromagnetic flow past plate
+Singh, J. 5=3101, High voltage discharge tube
Singh, M. + 5=2800, Rayleigh scattering of \gamma-rays Singh, M. + 5=5307, Polarization in Compton scattering
Singh, M. + 5=8371, Compton scattering of polarized \gamma
Singh, M. + 5=11294, Elastic scattering of 662 keV
Singh, M. + 5=14520, Polarization of gamma rays
Singh, N. + 5=6503, Phonon dispersion in metals
Singh, O. N. + 5=11536, Interatomic distances in hexafluoride
      molecules
+Singh, P. P. 5=8540, Single state for E1 resonance
Singh, R.B. + 5=8832, Force constants of MoF<sub>6</sub>, TcF<sub>6</sub>, and ReF<sub>6</sub>
Singh, R. N. 5=3047, Spectra of tolunitriles. II
Singh, R. N. 5=15746, Drift in F region
Singh, R. P. 5=6500, Vibrations of metallic crystals
 +Singh, R.S. 5=5878, Visible spectrum of p-benzoquinone
Singh, S. + 5=1885, Photon absorption in naphthalene crystals
Singh, S. + 5=7408, Laser-fluorescence in anthracene
+Singh, V. 5=415, Coupling constants in broken SU(3) symmetry +Singh, V. 5=5192, Splitting of supermultiplets
 +Singh, V. 5=10823, Splitting of 70-plet of SU(6)
Singhal, N. C. + 5=14482, Spin assignment of Au197
+Singleton, W. J. 5=11122, Lambda-hyperon beta decay
+Singstad, I. 5=8686, Fission of Cf<sup>252</sup>
Singwi, K.S. 5=3302, Neutron scattering by a liquid
+Sinha, B. 5=11898, Relaxation of nitrobenzene
Sinha, B. + 5=14858, Dielectric loss in polar solutions
Sinha, D.K. 5=37. Deformation of piezoelectric disk
Sinha, K.P.+ 5=1781, Magnon-conduction electron interactions
+Sinha, M. S. 5=11068, Knock-on e by cosmic-ray \mu
 +Sinha, N. 5=7342, Birefringence in glass
Sinha, S. P. 5=15607, Rare earth terpyridyl. II
+Sinicki, G. 5=4099, Measurement of Peltier coefficient
Sinitsa, S. P. + 5=12759, Quasi-contact potential of p-n
+Sinitskii, L. A. 5=14008, D.C. measuring amplifier
 +Sinitsy, M. V. 5=3813, Compressibility of 5 compounds
+Sinitsyn, B. I. 5=5364, Fast neutrons in sodium
+Sink, D. R. 5=5100, Aerial photography
Sinke, E. J. + 5=1010, Dissociation of B_2H_6
+Sinman, A. 5=11728, Response of a magnetic probe
 +Sinman, S. 5=11728, Response of a magnetic probe
Sinno, K. + 5=7528, Structure and movement of Es
Sinnott, G. 5=1056, Mobility of ions in H
+Sinyavskii, E. P. 5=3899, Theory of radiationless transitions
+Sinyavskii, É. P. 5=12570, Nonradiative recombinations
Sipovskii, D. P. 5=1311, Regeneration of crystals in solution
+Šips, L. 5=672, Interaction of nucleons in same shell
+Sips, V. 5=6819, Plasma dispersion relation in solids
Siratori, K. + 5=1777, Magnetic resonance of spin systems
Sircar, P. + 5=14648, NH_3, J=3, K=3 inversion band
Sirdeshmukh, D. B. \pm 5=1422, Thermal expansion of RbI and CaS Sirdeshmukh, D. B. \pm 5=9394, Thermal expansion of fluorides
Sirianni, A. F. + 5=11922, Ageing in Si hydrogels
 +Sironi, G. 5=11146, Cosmic-ray electron flux
 +Sirota, N. N. 5=12947, Magnetization reversal in Mg-Ni-Mn ferri
Sirotek, P. 5=4855, Laboratory tubular furnace
Sirotinin, E. I. 5=12854, Photomultiplier unblocking time
Sirovich, L. 5=11802. Propagation of sound in gasdynamics
Sirrine, R. 5=1306, Growth of (Ga_xIn_{x-x}) as crystals Sisodia, M. L. + 5=14856, Dielectric relaxation in D_2O
 +Sisson, D. H. 5=2848, n and \gamma emission by Dy and Tb
+Sistig, E. 5=4083, Dielectric investigations on plastics. IV
+Sitnik, G. F. 5=4472, Atmospheric O line in 1.27-\mu band Sitnik, G. F. 5=15872, Absolute solar spectrum
Sittkus, A. 5=861, Particles from atomic bomb
Sittkus, A. + 5=5701, Composition of fission product fallout
Sivers, V. N. 5=10306, De-excitation of nonstationary medium
```

```
Sivers, V. N. 5=10307, Time-varying light scattering
+Sivonen, T. 5=12015, Irreversibility of III = IV of RbNO.
+Six, J. 5=638, Muonic decay of \lambda-hyperon
+Six, J. 5=11120, \beta-decay of \Lambda
+Sizmann, R. 5=1489, Range of ions in solids
+Sizmann, R. 5=3785, Removal of layers by sputtering
+Sizmann, R. 5=6658, Ion penetration in diamond
+Sizmann, R. 5=9989, Luminescent centers in ZnS-CdS; Cu
+Skadron, G. 5=8502, Rigidity and cosmic-ray charge
Skaggs, C.W. + 5=1279, Unsupported films of Ge
Skaggs, F.L. + 5=337, Piezo-Faraday effect
+Skakov,I.A. 5=12553, Structure, properties of Cr-Ni steels
+Skal'skaya, I. P. 5=171, Theory of thermal conductivity
Skalski, S. + 5=3982, Superconducting alloys
Skarman, J. S. 5=7034, Photocurrent decay in CdS and CdSe
+Skarulis, J. A. 5=9341, Crystal data for LiNH.SiF.
Skarsvåg, K. + 5=8686, Fission of Cf<sup>252</sup>
+Skatskii, V. I. 5=13263, Convective motions in clouds
+Skazka, V.S. 5=3387, Sedimentation in an ultracentrifuge
Skeen, C. H. 5=7941, Cesium vapor diode
+Skell, P.S. 5=1000, N.M.R. of cyanomethylene
Skerbele, A. + 5=5849, Electron-impact spectra
+Skibenko, E. I. 5=8941, Vacuum in charge exchange chamber
 +Skillicorn, I.O. 5=14439, N* resonances
+Skinner, G. B. 5=13158, BP and B P thermodynamics
Skinner, G. T. + 5=14677, Collimation in molecular beam
 +Skinner, J. F. 5=5912, Dipole association
 Skinner, J. G. 5=13034, Light beams deflectors
 Skinner, N. J. + 5=13430, Absorption measurements at Ibadan
+Skinner, T.J. 5=306, Imaging through random medium
+Skizkov, G. V. 5=10444, Impulse generator
 Skobel'tsyn, D. V. [Ed.]. 5=15584, Soviet researches on
       luminescence
 +Skobov, V. G. 5=6823, Electromagnetic excitations in metals
 Skobov, V. G. 5=12637, Electromagnetic waves in metals
 Skobov, V. G. 5=15044, Electromagnetic—acoustic waves Skobov, V. G. 5=15583, Electromagnetic waves in metals
 +Skoldinov, A. P. 5=11597, Chemical shifts of p in OH....O
Skolnick, M. H. 5=2691, Deuteron photo-disintegration
+Skorobogatov, B. S. 5=13122, Rare-earth ion luminescence
 +Skorokhod, M. Ya. 5=3582, Crystal scanning by X-rays
 Skórski, R.+ 5=12638, Induced e. m. f. from ferromagnetic wire Skortsov, Yu.V. + 5=3231, Radiation from plasma jets
 +Skoryupin, V. A. 5=5977, Turbulent plasma heating
+Skoryupin, V. A. 5=6042, Stability of turbulently heated plasma
 Skov, C. E. + 5=12796, Ionic conductivity in crystals
 +Skrotskaya, E. G. 5=7076, Magnetic susceptibility in strong fields
 +Skryl, I. I. 5=10900, Photography of spark counters
+Skrzypczak, E. 5=5623, Interactions of protons with heavy nuclei
+Skrzypczak, E. 5=11024, p [\pi]-Ag[Br], 17-24 GeV Skubenko, A. F. + 5=4296, Optical properties of Sb<sub>2</sub>Se<sub>3</sub>
 +Skubko, V. A. 5=10960, Linear accelerator for electrons
+Skulska, E. 5=8758, Spectra of Mg II, Ca II, Sr II and Ba II
 +Skumanich, A. 5=7577, Activity and stellar age
+Skurat, V.E. 5=10027, Radiolysis by fast electrons
 +Skuridin, G.A. 5=212, Motion of charged particles
 +Skuridin, G.A. 5=365, Asymptotic expansions in wave mechanics
+Skuridin, G.A. 5=10484, Charged particle motion in magnetic
       field
 +Skuridin, G. A. 5=13401, Charged particles in geomagnetic
 +Skvortsov, V. A. 5=8036, Maser for 4 mm
 +Skvortsova, I. L. 5=7204, Electron resonance in NiCl2
  +Skylstad, K. 5=12371, Energy of dislocation configuration
 Slack, G. A. 5=3700, Thermal conductivity of S, SiC and diamond Slack, G. A. + 5=9440, N incorporation in SiC
 +Slack, G. A. 5=12310, Thermal conductivity of laser semi-
       conductors
 Slade, J. J. + 5=3808, Stress-strain analysis: CuAu I. II
 +Slade, M. 5=3350, Efficiency of liquid scintillators
 +Sladký, J. 5=12729, Semiconducting CuMoO<sub>4</sub>
+Slama, L. 5=11483, Molecular scattering of laser light
  +Slark, N. A. 5=2231, Light amplifier operation
  Slater, J. C. 5=15000, Crystal wave function symmetry
  +Slater, P. N. 5=13665, Petrographic studies
 +Slater, J. 5=1408, Scattering of lattice vibrations.I. Slater, J. C. 5=3593, Atomic radii in crystals
 +Slater, W. E. 5=2654, Properties of 960-MeV boson
 +Slattery, J. C. 5=1167, Profile of rotating liquid
Slattery, J. C. 5=6057, Extension of incompressible fluids
 Slaus, I. 5-671, Nucleon problems and nuclear forces +Slavik, J. B. 5-11621, Acoustic waves in discharge
```

```
+Sledziewski, Z. 5=14816, Ti evaporation pump
Slee, O. B. 5=4637, Radio emission from Uranus
Slepian, R. M. 5=6420, Preparation of ZrO<sub>2</sub> for microscopy
+Sletten, H. 5=5321, Neutrino interactions
+Slettenhaar, H. 5=8443, Search for unstable particles
+Slichter, C. P. 5=6589, Diffusion in Li
+Slichter, C. P. 5=7308, Optical properties of color centers
Slichter, C. P. + 5=7816, Ultra slow motion of atoms
Slichter, C. P. 5=14132, Magnetic resonance in rotating frame
Slichter, W. P. + 5=3094, Molecular motion in elastomers
 +Slifkin, L. M. 5=6257, Ferric complexes in Ag halides
Sliker, T. R. 5=1859, Linear electro-optic effects
+Sliker, T.R. 5=4318, Electro-optic effects in KH,PO_4 Slinkin, A.A. + 5=15491, Li^+ doped CrO_3 e.s r. fine structure
Sl'ish, V. I. 5=7589, Radio emission of flare stars
Sliv, L. A. + 5=5510, n-p interaction in heavy nuclei
+Sliwicki, E. 5=13132, Luminescence of Coumarin derivations Sloan, I. H. 5=11666, Ionization of He by electrons
 +Slobodchikov, S. V. 5=12731, n-GaP electric, photoelectric
      properties
 Slobodchikov, S. V. 5=12811, Thermo-emf in InP
Slobodkin, A. M. 5=4723, Stability of mechanical systems
 +Slobodrian R. J. 5=8495, He<sup>3</sup>(d, t)2p at 24.7 and 33.4 MeV
 +Slonimskii, G. L. 5=12533, Strength during brittle fracture
 +Slovinskii, B. 5=601. Charge exchange of pions on protons +Slovinskii, B. 5=8453, \pi^- interactions at 9 BeV
 +Slowey, J. 5=13346, Temperature variations in upper
      atmosphere
 +Slowey, J. 5=13378, Heating in auroral zones
 Sluijter, F. W. 5=3170, Reflection and refraction on \gamma pairs in \pi^- + Xe Sluijter, F. W. 5=3170, Reflection and refraction on
       magnetoplasmas
 Slutsker, A.I. + 5=1289, Structure and strength of crystals
 +Slutsker, A. I. 5=3830, Blocks in metals during creep
Slutskii, M. E.+ 5=10417, Electrometer amplifier
 +Slutskin, E. Kh. 5=10501, Multichamber spark gap
 Slutz, R. J. + 5=13344, Shape of magnetospheric boundary
 +Slyuøsarev, V. A. 5=1621, Theory of fermi-systems
 +Slvusarskii. V. A. 5=243, Diffraction of e.m. waves
 +Small, A.M.,Jr. 5=143, Differential thresholds for frequency
+Small, V.G. 5=879, Reactivity change in HECTOR
 +Smallman, R. E. 5=3884, Flow stress and dislocations in V
 +Smallman, R. E. 5=12236, V ceramic compounds
 +Smart, D. F. 5=11162, Cosmic-ray equator
 +Smekalova, K. P. 5=12744, HgTe galvanomagnetic properties +Smelyakova, V. B. 5=13083, Spectra of benzidine
 Smet, P. + 5=14637, Calculation of Verdet's constant for the
       hydrogen molecule
 Smetanina, L. I. 5=4847, Measurement of high temperatures
 +Smiddy, M. 5=13342, Electrical processes in exosphere
+Smirenkin, G.N. 5=857, Products of fission of U<sup>235</sup> and Pu<sup>239</sup>
 +Smirenkin, G.N. 5=858, Kinetic energy of fission fragments
 +Smirenkin, G. N. 5=875, Radiative capture and fission of Pu<sup>239</sup>
 +Smirenkin, G. N. 5=2850, Kinetic energy of fission fragments
 +Smirenkin, G. N. 5=2852, Spontaneous fission of Cm<sup>24</sup>
  +Smirnov, A. A. 5=6263, Effect of pressure on ordering of alloys
  +Smirnov, A. I. 5=15545, Resonance spectra of Er3+ in CaF<sub>2</sub>
 Smirnov, B. I. + 5=12515, Dislocations, yield point of LiF
 Smirnov, B. M. 5=924, Resonant charge exchange
Smirnov, B. M. 5=11467, Collisions of slow atoms
  +Smirnov, B. M. 5=11660, Diffusion, mobility of ions
 Smirnov, B. M. + 5=11673, Resonance charge exchange +Smirnov, G. V. 5=4036, O film influence on Si properties
  +Smirnov, I.A. 5=1434, Thermal conductivity of Sm and Pr
  +Smirnov, I. A. 5=12311, Thermal conductivity of MnTe
+Smirnov, I. A. 5=15059, Thermal conductivity of Bi<sub>2</sub>Te<sub>3</sub>
+Smirnov, N. S. 5=7971, Diode magnetron space charge
  +Smirnov, P.V. 5=12797, Electron-excited conductivity in
       dielectrics
 Smirnov, R. V. 5=2408, Zero mass fields with nonscalar phases +Smirnov, V. G. 5=5712, Burn-up fraction of nuclear fuel
  +Smirnov, V.I. 5=14333, Multidimensional data analyzer
  +Smirnov, V. N. 5=7036, Photoconductivity of GaP
+Smirnov, V. N. 5=15209, Hopping conductivity in Ge
  +Smirnov, V. P. 5=5992, Turbulent fields in plasma
   +Smirnov, V. P. 5=14744, Magneto-acoustic resonance in plasma
   +Smirnov, V.S. 5=9526, Ternary semiconducting alloys
   +Smirnov, Yu. F. 5=5675, Reaction of cluster substitution
  Smirnov, Yu.N. 5=7546, Formation of H and He4 in universe
  +Smirnov, Yu. N. 5=1265, Phase transformations in Co
  +Smirnova, L.I. 5=1888, Electroluminescent film condensers
```

+Smirnova, M. N. 5=10637, Ruby laser generation kinetics Smirnova, N. L. 5=3596, Superstructures in closest packing +Smirnova, N. P. 5=12802, Capacitance of BaTiO₃ films +Smirnova, T.A. 5=324, Achromatic wave plates +Smit, J. 5=2866, Critical assemblies of NPY +Smith, A. 5=8344, Data with feedback to accelerator +Smith, A. B. 5=812, Neutron optical model absorption +Smith, A. B. 5=8303, Computer in a Nuclear Laboratory +Smith, A. B. 5=11331, Au, Hg and Tl n-scattering Smith, A. B. 5=11333, Scattering of fast n by U235 +Smith, A. C. 5=12692, Introduction to semiconductor physics +Smith, A. C. H. 5=11675, O to O⁺ and H⁺ charge transfer Smith, A. E. 5=12245, Structure of (C₄H₄PdCl)₂ +Smith, A. M. 5=8310, Au-20%, Pd thin source supports +Smith, A. W. 5=14161, GaAs laser intensity fluctuations +Smith, B. G. 5=14429, Photon-meson couplings +Smith, B. L. 5=10397, Low temperature physics conference Smith, C. F. + 5=12565, Elastic constants for zirconia Smith, C. P. 5=7858, Vocal-response synthesizer +Smith, C. R. 5=13324, Mass spectrometry in atmosphere +Smith, C.S. 5=6732, Elastic constants of LiF and NaF +Smith, C. S. 5=12541, Elastic constants of potassium +Smith, D. 5=8961, Charge exchange in atmospheric gases +Smith, D.C.G. 5=868, Dounreay fast reactor Smith, D. H. + 5=4249, N resonances in thiourea +Smith, D. H. 5=4790, Silica windows for shock tubes Smith, D. K. + 5=12190, Crystal structure of β-beryllia +Smith, D. L. 5=9648, Superconductors by plasma-jet spraying Smith, D. L. 5=11530, New structure for $\rm Co_4(CO)_{12}$ Smith, D. M. 5=1918, Detection in spectrochemical analysis Smith, D.R. + 5=253, E.S.R. spectra in radiation chemistry +Smith, D.R. 5=9279, AgI activation in ice nucleation +Smith, D.S.G. 5=4687, Sampling of respirable dust Smith, D. T. 5-4876, Overload voltage indicator Smith, D. Y. 5=7320, F band in alkali halides Smith, E. 5=1506, Spread of plasticity +Smith, E. 5=1525, Slip bands in silicon iron Smith, E. 5=9530, Spread of plasticity between cracks +Smith, E. B. 5=11806, Intermolecular potential functions Smith, E. J. + 5=13598, Field during magnetic storms +Smith, E. J. 5=13754, Interplanetary MHD shock Smith, E. V. 5=15432, Measurement of Curie points Smith, F. G. 5=7618, L.F. radioastronomy observations +Smith, F. J. 5=3080, Molecular scattering and transport Smith, F.J. + 5=3275, Transport collision integrals Smith, F. J. 5=5808, Electron capture in H⁺-H collisions +Smith, F. J. 5=9053, Quantum gas collision integrals Smith, F.J. + 5=9054, Collision integrals for gases +Smith, F. M. 5=5381, Life of π° +Smith, F. W. 5=14141, Maser satellite communication Smith, G. + 5=8756, Spectrum of Eu I Smith, G. A. + 5=643, S = -2 baryon systems Smith, G. A. + 5=11127, Production, decay of Ξ^* (1820) +Smith, G. C. 5=12525, Fracture in H-charged Ni +Smith, G. E. 5=336, Far-infrared circular polarizer Smith, G. F. 5=3595, Anisotropic tensors +Smith, G. P. 5=8125, Furnace on spectrophotometer +Smith, G. S. 5=9339, Crystal structure of $\rm Li_{15}Ge_4$ +Smith, G. V. 5=12511, Fe-Ni[Pt] alloy strengthening Smith, G. W. 5=11589, Nuclear spin-spin coupling Smith, G. W. 5=12226, Crystal structure of Na₂Co₅Mo₄Cl₄O₁₈ Smith, H. G. 5=993, Molecular motion in AgClO₄-benzene Smith, H. G. + 5=6441, Dispersion of slow neutrons in crystals +Smith, H. G. 5=6443, Three-circle neutron diffractometer Smith, H. L. + 5=6646, Color centers in glasses Smith, H. M. + 5=9242, Deposited thin films using laser +Smith, H. M. 5=9768, C₅H₅NOCuCl₂ magnetism Smith, H. P., Jr. 5=4928, Sputtering ion source +Smith, H. P., Jr. 5=9892, Proton channeling and X-rays Smith, H. W. 5=13611, Pc 1 geomagnetic micropulsations +Smith, I. W. M. 5=7424, Fluorescence of NO $C^2II(v=0)$ +Smith, J. A. 5=10230, Generalized classical mechanics Smith, J. A.S. 5=4974, R. F. spectroscopy at high pressures Smith, J. F. + 5=6494, Structure of YNi Smith, J. H. 5=2004, Physicist in science teaching Smith, J. H. + 5=6540, Free energies in Fe-Ni +Smith, J. H. 5=8469, CP nonconservation in Ko decays Smith, J. J. + 5=2980, The B²II state of NS +Smith, J. L. 5=9515, Poisson's ratio determination +Smith, J.M. 5=2999, Vibrational spectrum of Au(CN). +Smith, J.M. 5=6582, CO₂ diffusion on alumina +Smith, J.R. 5=2689, Existence of Ω-hyperon

+Smith, J. R. 5=8457, π -p s-wave scattering Smith, J. T. 5=12328, Ni-activated sintering of Mo Smith, J.W. 5=7420, Chemical reactions in molecular beams +Smith, J.W. 5=584, Neutron rem counter +Smith, K. 5=922, Scattering of electrons by He⁺ +Smith, K. 5=5799, Resonant scattering of electrons by He⁺ +Smith, K. F. 5=2905, Hyperfine structure in As75, P31 and Cr53 +Smith, K. J., Jr. 5=12536, Elasticity of semicrystalline polymers +Smith, K. L. 5=7623, Observational result on X-rays +Smith, K. L. 5=10169, Jupiter's X-ray flux Smith, L. 5=2546, Super-energy accelerators Smith, L. 5=5288, Super-energy accelerators +Smith, L. G. 5=13491, Minor D-region event Smith, L. I. + 5=15870, Photometry of zodiacal light +Smith, L. T. 5=2654, Properties of 960-MeV bozon Smith, M. C. 5=9554, Tensile properties of graphite Smith, M. C. 5=12503, Tensile behaviour of graphite in N +Smith, M. C. 5=13655, Echo I-type satellites Smith, P.A. + 5=12541, Elastic constants of potassium +Smith, P. E. 5=8330, Analogue computer for spark chambers +Smith, P. F. 5=4896, Superconducting magnet economics +Smith, P. L. 5=14938, Sn and InSb at high pressures Smith, P.W., Jr. 5=116, Far-field directivity function +Smith, P.W., Jr. 5=10327, Losses of resonator +Smith, R. A. 5=4158, De Haas-Van Alphen broadening Smith, R.C. + 5=3490, Sensitivity of drude technique +Smith, R. D. 5=14564, In-core instrumentation +Smith, R. G. 5=2337, Recording of Raman spectra Smith, R. L. + 5=7541, Iron gyrofrequency observed in satellites Smith, R. L. + 5=11705, Propagation in multicomponent plasmas Smith, R. L. 5=13307, Subprotonospheric whistlers Smith, R. P. 5=14663, Chains and rings on diamond lattice +Smith, R. V. 5=13387, Low-energy auroral electrons +Smith, R. V. 5=13403, Inner Van Allen belt +Smith, S. D. 5=2325, Resolving power of multilayer filters Smith, T. F. 5=12673, Superconductivity in a-Ce Smith, W. E. 5=4901, Average electromagnetic forces Smith, W. E. 5=10476, Electromagnetic forces and inductance Smith, W. R. 5=8673, (d, p) stripping calculations Smith, W. W. 5=8759, Hg¹⁹³*, 195, 195* hyperfine structure Smith-Agreda, M.C. 5=2030, Variational action principle Smith-Rose, R. L. 5=10078, Meteorology and radio communication +Smoes, S. 5=9189, Thermodynamic data of U compounds +Smola, B. 5=3836, Work-hardening of Cd Smolenskii, G. A. + 5=15468, Magnetization of ferrites +Smolin, M. D. 5=3727, Diffusion of C in Ta +Smolin, M. D. 5=3729, Mobility of C in W +Smolkin, G. E. 5=5989, Shock waves in collision-free plasma Smolkin, G. E. + 5=10492, e-Optics bicylindrical objective +Smolkin, G. E. 5=11719, Plasma decay +Smoluchowski, R. 5=6607, Defects in alkali halides +Smoluchowski, R. 5=9433, Vacancies and interstitials in KBr +Smoluchowski, R. 5=9633, Fe-Al superlattice resistivity +Smolyakov, B. S. 5=11574, Spectrum of 2-oxy-1, 4-naphthoquinone anion +Smolyankin, V. T. 5=2610, \rightarrow 650 MeV p elastic scattering +Smorchkov, V. N. 5=10638, Excitation heating of ruby laser Smorchkov, V. N. + 5=14855, Photoelectric fluorometer +Smoyer, C. B. 5=4994, New laser pump +Smriglio, F. 5=9649, Superconducting ring current decay +Smrž, P. 5=5245, Resonances and Regge particles Smržh, P. 5=5329, Inelastic peripheral collisions Smrž, P. 5=11020, High energy NN-interactions Smrž, P. 5=11034, p-p diffraction scattering Smylie, D. E. 5=13550, Magnetic diffusion in conducting mantle +Smyth, C.P. 5=1203, Absorption and structure in liquids, LIX. +Smyth, C.P. 5=9140, Molecular structure in liquids. LX +Smyth, C. P. 5=9141, Liquids. LXIII. Dielectric polar molecules Smyth, D. M. + 5=9706, Oxide films on Ta Sneddon, I. N. 5=13849, Penny-shaped crack +Snell, J. 5=8118, Stroboscopic time-resolved spectroscopy +Snelling, D. R. 5=13155, Conversion of heat of H + Cl, into Snelling, E. C. 5=12940, Properties of ferrites +Snezhko, E. V. 5=12054, Surface concentration of Na on W Śniadower, L. + 5=12604, HgTe effective electron mass. +Snider, J. L. 5=685, Spin, magnetic moment of N¹³ +Snider, J. L. 5=10254, Gravity on nuclear resonance Snider, N. S. 5=10003, Kinetics of isomerization reactions Snider, R. F. 5=3263, Quantum Boltzmann equation +Snider, R. F. 5=3267, Thermal conductivity of a gas

```
+Snip, G. E. 5=:4265, Photon M.R. in CuSO.-5H-O
Snipes, W. + 5=7261, VO<sup>2*</sup> e.s.r. in RNA and DNA +Snitko, O. V. 5=12831, Photoconductivity and noise of PbS
+Snitko, O. V. 5=12616, Si surface alloyed with Au
+Snitzer, E. 5=286, Fiber laser
+Snodgrass, R. J. 5=9868, Solute n. m. r. in Pb alloys
+Snopko, V. N. 5=14601, C<sup>4</sup>D levels of Cu atom
Snouse, T.W. 5=537, Vacuum in proton accelerator
 +Snow, E. H. 5=12750, Oxidised Si surfaces
Snow, G. 5=5250, High-energy physics
+Snow, G.A. 5=640, A-p scattering cross-sections
 +Snow, G. A. 5=2415, U-spin equalities
+Snow, G.A. 5=2686, Sigma leptonic decays
+Snow, G.A. 5=2687, Masses of \Sigma, \Sigma° hyperons
 +Snow, G. A. 5=5450, Leptonic decays of charged \Sigma
Snow, W. B. 5=2138, Articulation-test control circuits
+Snowden, D. P. 5=3525, O. adsorption on ZnO
 +Snowden, D. P. 5=6331, Oxygen on NiO surfaces
 +Snowden, D. P. 5=9252, Ionic species from gas-solid interactions
Snowden, K. U. 5=9563, Fatigue of lead
 Snyder, D. D. + 5=7821, Read-out for vibroscopes
Snyder, H. A. + 5=1164, Stability of Couette motion
Snowdon, J. C. 5=10309, Mechanical impedance of beams
+Snyder, J.A. 5=520, Mura electron accelerator. II
Snyder, J. N. + 5=8326, Bubble chamber scanning
 +Snyder, L. C. 5=8877, E. S. R. of metal chelates
 Snyder, L. C. + 5=11916, p-n, m. r. of benzene in liquid crystals
Snyder, R. G. 5=13086, I. R. intensities of crystalline
      n-paraffins
 +Snyman, H. C. 5=9234, Alkali fluoride polymorphism
 Soa, E. A. 5=6120, Development of needle valve
Soa, E. A. 5=10495, Electron emission microscope
Soa, E. A. 5=14075, Emission microscope and application
 +Sobol, M. 5=5746, Normal helium atom
 +Sobol, M. 5=14593, Electrons in He
 Sobolev, E. V. + 5=6186, Raman spectra of dienes
Sobolev, G. A. 5=1923, Fields for piezoelectric surveying +Sobolev, N. N. 5=2976, Electronic transitions in NO
 +Sobolev, N. N. 5=14640, Electronic transition in NO
 +Sobolev, R. I. 5=8991, Plasma in magnetic trap
+Sobolev, R. I. 5=11736, Ioffe bar configuration
Sobolev, V. V. 5=3913, Valance band in II-VI crystals
 Sobolev, V. V. + 5=15233, Band structure of GaP
 Sobolev, V. V. + 5=15542, Reflection spectra of crystals
 +Sobel'man, E. I. 5=9213, Zn<sub>2</sub>SiO<sub>4</sub>-Fe<sub>2</sub>SiO<sub>4</sub> solid solutions
 +Sobrino, de L.G. 5=3148, Plasma in a magnetic field
 +Sochava, L. S. 5=15484, Electron paramagnetic spectrum
Sochor, V. 5=4917, Axisymmetric electron-optical systems
Socolow, R. H. 5=11061, Departures from eightfold way. III.
 + Soda, T. 5=3272, Magnetic susceptibility of gases
+Soda, T. 5=7901, Quantized vortex rings near wall
Sodan, H. 5=8600, Lul<sup>74i</sup> electron capture decay +Sodan, H. 5=14481, E1 transitions in Er<sup>167</sup>
 Soden, R. R. + 5=9285, Preparation of rhenium crystals
 Sodha, M.S. 5=10454, Magnetohydrodynamic generators
 +Sodickson, L. 5=2639, Structure in π -p charge exchange
 +Söding, P. 5=595, Antiproton-proton interactions
 Sodomka, L. 5=1867, Electroluminescent emittance
 Sodomka, L. 5=7403, Impact luminescence
 Sodomka, L. 5=9974, Ball milling and electroluminescence of ZnS
 Soffer, B. H. + 5=8063, Giant pulses from Nd laser
 +Soffer, B. H. 5=13119, Fluorescence from La<sub>2</sub>O<sub>3</sub>: Nd<sup>+3</sup>
Sof'ina, V. V. 5=12066, H adsorption by Pd Sofronijevic, D. 5=4711, Automatic sorting
 Soga, N. 5=6562, Thermal expansion of Li<sub>4</sub>GeO<sub>4</sub> and Li<sub>4</sub>SiO<sub>4</sub>
 +Soga, R. 5=1617, Resistance of rare-earth metals
Sogami, I. 5=410, Broken U. symmetry scheme
+Sogolova, T. I. 5=9284, Crystallization of isotactic polystyrene
+Sohigian, M. D. 5=15827, Radar observations of moon
  +Soicher, H. 5=7516, Ionospheric electron content
 +Soicher, H. 5=10088, Electron flux at 1000 km altitude
 +Soifer, G. B. 5=14670, Observation of Br and I n.q.r.
 Sokolkov, E. N. 5=3751, Plastic deformation and dislocations in
      SiFe
```

```
+Sokolov, B. M. 5-4208, Switching processes in ferrites
+Sokolov, B. M. 5=10442, Nanosecond pulses
+Sokolov, B. M. 5=11730, Deionization of plasma
+Sokolov, L. S. 5=5668, d scattering from Au and Bi
Sokolov, M. P. 5=14562, Radioactivity of wire measurement
+Sokolov, N. D. 5=8802, Asymmetrical double potential well
+Sokolov, N. D. 5=9372, Intermolecular vibration of ice
+Sokolov, N. D. 5=9867, NMR and structure of ice Sokolov, N. D. 5=11488, H bridge vibration
Sokolov, S. N. + 5=11282, Resonance density in scattering
Sokolov, V. I. + 5=3714, Diffusion of Au in GaAs
+Sokolov, V. I. 5=3716, Diffusion of Au in InSb
+Sokolov, V. I. 5=12322, Diffusion of Zn in GaAs
+Sokolov, V. J. 5=12739, Magnetoresistance of n-InAs
+Sokolov, V. V. 5=461, Gauge invariance
+Sokolov, Yu. G. 5=14959, X-ray camera for study of glass
+Sokolovs'ka, S. F. 5=3453, Density of synthetic polymers
Sokolovskii, V. I. + 5=10899, Pulses from ionization chambers
+Sokolovskii, V. V. 5=11052, Neutron chopper
Sokolowski, E. + 5=5723, Thermal spectrum indicators
+Sokol'skaya, A. V. 5=15624, Ultrasonic initiation of chain reaction
Sokol'skaya, I. L. + 5=12034, Surface migration of Mo
+Sokol'skaya, I. L. 5=12331, Diffusion in rhenium
Sokolo'skaya, I. L. + 5=12840, Ge on W field emission, migration
+Sokovishin, V. A. 5=11832, Katharometer leak detector
Soldatov, V. P. + 5=12082, Elastic twinning in Bi
+Sole, M.J. 5=1368, Structures of inorganic cyanamides. I.
+Sole, M. J. 5=9447, UC<sub>2</sub> electron microscope study
Solente, P. + 5=6661, Dimensions of \alpha-plutonium +Sologub, V. V. 5=7971, Diode magnetron space charge
+Sololov, S. N. 5=14281, Excitations of a compound particle
+Solomatina, E. K. 5=15760, Magnetic field and positive ions
     inside magnetosphere
Solomchenko, N. Ya. + 5=6333, Combined adsorption on kaolin +Solomon, A. L. 5=9709, Thin barium titanate films
Solomon, I. 5=6927, Semiconductor research by magnetic resonance
+Soloukhin, R.I. 5=3294, Gas bubbles in a liquid
Solov'ev, L. D. 5=14247, Field theory i.r. singularities +Solov'ev, E. G. 5=10584, 3 cm solid state maser
+Solov'ev, E.S. 5=2911, Charge exchange of protons
+Solov'ev, L.S. 5=1128, Stabilization of plasma instabilities
+Solov'ev, L.S. 5=6045, Stability of plasma column
Solov'ev, V.I. 5=1783, Ferromagnetic resonance in Y ferrites
Solov'ev, V. I. 5=15481, Resonance curve of Mn ferrite
Solov'ev, Yu. V. 5=15359, Measuring tunnel diodes
Solov'eva, L. P. + 5=12191, Crystal structure of \mathrm{Be_4[Si_2O_7]} (OH)<sub>2</sub>
Soloviev, L. D. 5=14396, Low-energy photons
Soloviev, V. G. + 5=11246, Energies in 228 \le A \le 254
Solovyev, N. S. 5=8361, Synchrotron electronic charge
+Solow, M. 5=13100, Shock-induced luminescence
+Solt, G. 5=14626, Slow neutron scattering
 +Soltan, M. 5=5625, Interaction of protons with heavy nuclei
 +Soltyński, K. 5=5625, Interaction of protons with heavy nuclei
+Solunskii, V.I. 5=1310, Mechanism and growth of holes
Solunskii, V. I. 5=6603, Distribution of vacancies +Solyakin, G. E. 5=8693, U<sup>238</sup> fission by 26.5 MeV o's
Solymar, L. 5=4802, Acoustic amplifiers
Som, A.K. 5=123, Bell vibrations
Somayajulu, Y.V. 5=13518, F-region electron-density
Somayajulu, Y. V. 5=13521, Diffusion of F-region ionization
+Somenkov, V.A. 5=12212, Spinel lattice constant relation Sominskii, G.G. + 5=229, Magnetron with emitting cathode
Sominskii, G. G. 5=10500, Current boundary in magnetron
Sommer, G. 5=8264, High energy scattering amplitudes
 +Sommer, H. 5=11266, Second order radiation process
Sommer, J. 5=12905, Measurement of ferromagnetic dust
Sommerfeld, J. T. + 5=13163, O<sub>2</sub> chemisorption on RuO<sub>2</sub>
Somogyi, M. + 5=9209, Preparation and stoichiometry of ZnS
 +Somogyi, M. 5=9971, After-treatment and luminescence of ZnS
+Somogyi, T.R. 5=1320, Epitaxial deposition of Si
+Somon, J. P. 5=14052, Flux-compression. I
Somorjai, G. A. 5=3409, Evaporation and oxidation of CdS
Somorjai, G.A. + 5=3481, Orientation and evaporation of CdS
Somorjai, G. A. + 5=12611, CdS Fermi level, defect formation by
     e.s.r.
+Sona, A. 5=8046, Transients in Q-switched lasers
+Sona, A. 5=10713, Laser interferometry
+Sona, A. 5=10714, Laser long-distance interferometry
Sona, A. M. B. 5=11298, \( \gamma^{\text{D}}\) Disintegration of Si<sup>28</sup>
+Sona, P.G. 5=811, Neutron scattering on S<sup>32</sup>
+Sonder, E. 5=1485, Colorability of KCl
```

+Sokolov, A. P. 5=2610, 650 MeV p elastic scattering

Sokolkov, E. N. + 5=15130, Creep of Nimonic alloy

+Sokolov, A. D. 5=11049, Neutron spectrometry

+Sokolov, A. K. 5=5021, Spectrum of ruby laser

+Sokolov, A. K. 5=10640, Emission of ruby laser

Sokolov, A. A. + 5=2585, Damping in weak interactions

+Sokolov, A. D. 5=12856, Photomultiplier e. m. screens

```
Sondhi, M. M. 5=127, Pitch detectors
+Sonett, C. P. 5=13598, Field during magnetic storms
Sonett, C. P. + 5=13754, Interplanetary MHD shock
+Song, H. S. 5=11002, (3,3) resonance by neutrinos
Song, K.S. + 5=6645, Defect aggregate dimensions
Song, K.S. 5=9898, Exciton absorption of Cu<sub>2</sub>O
Song Xing-chang. 5=5442, Nonleptonic decays of hyperons
Soni, A. H. 5=12304, Thermal conductivity
+Soni, R. P. 5=8143, Autoconvolution of an ellipse
Sonnenberg, H. + 5=4134, Photoelectric effect in Cs<sub>3</sub>Sb
Sonntag, R. E. + 5=3404, H-He Liquid-vapour equilibrium +Soo, S. L. 5=1048, Scattering of electrons and ions Soo, S. L. 5=10321, Shock relaxation in flows
+Sood, B.S. 5=2800, Rayleigh scattering \gamma-rays
 +Sood, B. S. 5=5307, Polarization in Compton scattering
 +Sood, B. S. 5=8371, Compton scattering of polarized \gamma
 +Sood, B. S. 5=11294, Elastic scattering of 662 keV
 +Sood, B.S. 5=14520, Polarization of gamma rays
Sood, P.C.+ 5=717, Energy levels in Fe<sup>56</sup>+Sood, R. 5=14178, Thin lens triplet
 Soon Ng, + 5=5903, Effect of solvents on 19F spin—spin coupling
 +Soong Chien-yeh. 5=3753, Dislocations and loops in Mo
 +Soong, N. L. 5=11793, Thermal distribution in jet
 +Soop, K. 5=5321, Neutrino interactions
 +Sootha, G. D. 5=12792, Electronic conduction KCl crystals
Soov, W.R. + 5=4292, Semiconductor reflectivity
  Sorchenko, R. L. 5=10191, Radioastronomical maser
+Sörensen, G. 5=2782, Decay of Xe, I, and Te isotopes
+Sorensen, R. A. 5=8536, Nuclei with residual forces
 +Sörensen, S.O. 5=8656, Disintegrations emitting heavy fragments
 Sorma, M. + 5=9609, Alfvén-wave propagation in graphite
Sorohan, M. 5=1731, Procopiu effect
+Soroka, W. W. 5=10333, Diffraction of sound
Sorokin, A. A. 5=2751, 114 keV level in Pr 13
 +Sorokin, A. A. 5=5587, Decay of Nd isotopes
Sorokin, O. V. + 5=6680, Creep in beam during bending Sorokin, O. V. + 5=12459, Pulsating stress flow
 +Sorokin, V.S. 5=15390, Formation of electret state
 +Soroko, L. M. 5=2610, 650 MeV p elastic scattering
 +Soshin, L.D. 5=12851, Noise in photomultipliers
 Soshnikov, V.N. 5=2950, Optical absorption in diatomic molecules
 Soshnikov, V. N. 5=8804, Optical absorption of molecules
 Sosin, A. + 5=12350, Electron irradiated Cu
 +Soskin, M. S. 5=1864, Absorption of naphthalene crystals
 +Soskin, M. S. 5=10608, Fluctuations of laser emission
 +Sosnovskaya, I. 5=12186, Structure investigation by neutron
     diffraction
 +Sosnovskii, E. 5=12186, Structure investigation by neutron
     diffraction
+Sosnowska, I. 5=3619, Neutron crystal investigations
+Sosnowski, J. 5=3619, Neutron crystal investigations
+Sosnowski, R. 5=2680, Strange particles production
+Sosnowski, R. 5=5328, Principal axis of jets
 +Sosnowski, R. 5=5396, Six-prong interactions of \pi in H
 +Sotak, A. E. 5=7873, Radiation heat transfer
Sotirovski, P. 5=7673, New OH transition in sunspot
 +Sotirovski, P. 5=13775, Corona at eclipse of 15/2/61. II
Sotirovski, P. 5=13776, Corona at eclipse of 15/2/61. III
+Sotnikov, S. K. 5=14422, Multiwire neutron detector
+Souchère, G. 5=8644, Scattering of 14.6 MeV n by S
+Součková, L. 5=9939, Luminescence of AlN
Souers, P. C. + 5=12644, Temperature coefficient of resistance
     of Bi
Souffrin, P. 5=7579, Acoustically excited atmosphere Soule, D.E. + 5=203, High sensitivity susceptibility apparatus
+Soulette, J. 5=12292, Specific heat of Fe-Au
Soundalgekar, V. M. 5=4840, Convection flow of fluid
Soundararajan, S. 5=8801, Induction in molecules
+Souquet, J. 5=5810, Production of Ar atomic beams
+Sousa, J. A. 5=14186, I.R. absorption, computer averaging
     improvement
+Soustelle, M. 5=12058, Gas-solid kinetics
Soven, P. 5=12613-14, Fermi surface of Tl. I-II
Spahrbier, D. + 5=4401, Oxidation of NH, on Pt
Spain, R. F. 5=9802, Stripe domains in Ni-Fe
+Spalek, A. 5=5582, Decay of Cs134m
Span, J. + 5=4374, Self-diffusion of ions in resins
+Span, R. E. 5=7952, 100 kG superconducting magnet
+Spanel, L. E. 5=15428, Magnetoresistance in rare earths
Sparke, B. + 5=12324, Lattice diffusion in \gamma-Fe
+Sparkes, A. R. 5=9534, Solid Ar elastic waves
Sparks, J.T.+ 5=7121. Sulphide n-diffraction studies
```

```
+Sparks, M. 5=9830, Two-magnon ferrimagnetic resonance
+Sparks, R. A. 5=9320, Scaling of X-ray photographs
Sparnaay, M. J. + 5=4027, Influence of chemisorption on Ge
Sparnaay, M.J. 5=12703, Interfacial tension of semiconductor
+Sparnaay, M. J. 5=7249, Si e.s.r. broadening by O
+Sparrock, J. M. B. 5=8168, Afterimages in dark adaptation
Sparrow, E. M. 5=7867, Emission characteristics of cavities
+Sparrow, E. M. 5=10360, Heat transfer bibliography
Sparrow, E. M. + 5=11786, Induced flow between cylinders
Sparrow, E. M. + 5=14785, Flow between rotating cylinders
Sparrow, E. M. 5=14789, Flow instability
+Sparrow, J. G. 5=660, Sampling at different altitudes
Sparrow, J. G. + 5=10059, Biennial stratospheric oscillations
+Sparrow, J. H. 5=5315, Si radiation detectors for X-rays
Speakman, J. C. 5=12159, The Renninger effect
Spear, W.E. + 5=6949, ZnS and CdS acoustoelectric saturation
+Spear, W. E. 5=15223, Electron hopping in S
Spear, W. E. + 5=15593, Edge emission in CdS
+Spearman, T.D. 5=2678, K -p Elastic scattering
+Specht, H.J. 5=15531, Impact with fission products
Spector, H. N. 5=1827, Optical absorption
Spector, H. N. 5=6499, Amplification of optical phonons
Spector, H. N. 5=12282, Acoustic amplification
+Spector, H. N. 5=15534, Lyddane-Sachs-Teller relation
Spector, N. 5=908, 4f26s and 4f26p in Pr2+
Spector, R.M. 5=366, 4th potential Schrödinger equation
 Spedding, F. H. 5-4165, Gd-Sc magnetic properties
+Spedding, F. H. 5=6874, Superconductivity in La and La-Gd
+Spedding, F. H. 5=9887, Zeeman effect for rare-earth ions
Spedding, F. H. + 5=9926, Zeeman effect in Er-ethylsulphate
Speed, R. + 5=4629, Lunar X-ray diffraction experiment +Spehl, H. 5=14476, \gamma-angular distribution of {\bf F}^{19}
+Speidel, H. 5=6879, Preparation and superconductivity of Nb-Sn
+Speidel, R. 5=14072, Electron microscope lenses, zone plates
Speight, M. V. + 5=9300, Grain boundary mobility
+Speiser, D. 5=15, Representations of simple groups. I
+Speiser, D. 5=4713, Irreducible representations of groups. II
Speiser, D. 5=10218, Representations of Lie groups
+Speiser, D. 5=10804, SU(4) mass formula
+Speiser, R. 5=6541, Thermodynamic properties of Ni-Pd
+Speisman, G. 5=1588, Electron gas at metallic densities
Spektor, E.Z.+ 5=3301, Diffraction by liquids
Spektor, Ya.I.+ 5=12549, Steel structure and brittleness
+Spence, R. D. 5=9780, Measurement of Curie-points
Spenceley, B. J. + 5=4801, Velocity of sound in air
Spencer, A. J. M. 5=2038, Axially-symmetric plastic flow
Spencer, A. J. M. 5=12458, Failure of metals with elastic fibres
Spencer, D. E. + 5=5042, Conics as reflector contours
Spencer, D. E. 5=14173, Out-of-focus photometry
+Spencer, E.G. 5=1307, Conductivity and growth of In<sub>2</sub>O<sub>3</sub>
+Spencer, N. W. 5=13354, Probe results from Explorer 17
Spencer, W. T. + 5=1840, Optical properties of copper
Spengler, C. J. + 5=1879, Optical properties of zinc tungstate
+Sperduto, A. 5=837, Deuteron scattering and (d, p) reactions
+Spergel, M. S. 5=13682, High energy cosmic \gamma
Sperling, H. G. + 5=8163, Human vision
Sperling, R. + 5=14868, Proton relaxation in methanol with Mu io
Spernol, A. + 5=14452, Counting of alpha-particles
+Spevakova, F. M. 5=9015, Characteristics of *TOKAMAK - 3*
+Spicer, B. M. 5=786, Photoneutron distributions from Pb and B
Spicer, B. M. 5=11224, Photon absorption in S^{32} +Spicer, B. M. 5=14523, A1^{27}(\gamma, n)A1^{26m} cross section
+Spicer, W. 5=4134, Photoelectric effect in Cs.Sb
+Spicer, W. E. 5=3918, Surface effects in Cs.Sb films
Spicer, W. E. + 5=4132, Photoemitted energy distributions
+Spicer, W. E. 5=4135-6, Cu and Ag photoemission studies Spicer, W. E. + 5=15230, Band structure of CdS
 +Spies, K. P. 5=4962, Loop antenna in conducting medium
+Spighel, M. 5=492, Gas Cerenkov counter-disc
 +Spighel, M. 5=8659, Pion double charge exchange
Spijkerman, J. J. 5=2364, Hg vapor target X-ray tube
+Spijkerman, J. J. 5=11978, Mossbauer spectrometer
 +Spiller, E. 5=2308, Coherence and fluctuations in light beams
Spiller, E. 5=10612, Gain, output of He-Ne laser
+Spindel, W. 5=4377, Isotope exchange in N2O3
Spinner, E. 5=11810, Thermal conductivity of H<sub>2</sub>O-D<sub>2</sub>O
Spinner, S. + 5=6767, Elastic compliances of rutile
Spinolo, G. 5=12421, Excited state of F center Spinrad, H. + 5=10174, O_2 in Venus atmosphere
Spinrad, H. 5=13716, Cool star H<sub>2</sub> lines
```

Spinrad, R. J. 5=8437, Neutron spectrometer control

```
+Spires, R.A. 5=3288, Thermistor flowmeter
Spiridonov, V. B. + 5=12553, Structure, properties of Cr-Ni steels
+Spiridonov, V. P. 5=14615, Atomic scattering factors for
      electrons
+Spirn, I. 5=14350, Fast delayed coincidence technique
Spitsyn, V. I. + 5=7428, Uranium oxidation by Fe(111) ions
Spitzer, W. G. + 5=15272, Orlandin Oxfoation by Ferri 7 one
+Spittler, T. M. 5=6213, \text{XeF}_6 preparation and melting point
Spitzer, W. G. + 5=15572, Pairing energy of Li and B in Si
+Spivey, S. 5=12910, Magnetization reversal in Co
 +Spivey,S. 5=12912, Domain structure of columax
 +Spizzichino, A. 5=1944, Altitude distribution of meteor trails
Spizzichino, A. 5=13479, Measuring winds in low ionosphere
Spong, F. W. + 5=6825, Cyclotron resonance in Al
Spooner, F. J. + 5=3635, Ordering in binary or phases
+Sporkenbach, E. 5=4415, Ion exchange membranes
+Sprang, P. G. 5=3642, Scandium-elements with Al and C
Spreadborough, J. + 5=3536, Twins in Fe and Fe alloys
Spreiter, J. R. + 5=15695, Magnetosphere boundary
+Spretnak, J. W. 5=3864, Tensile properties of Mo and Mo-0.5Ti
+Spretnak, J. W. 5=6740, Yield-point phenomenan in Mo
 +Spretnak, J. W. 5=12523, Initial yielding and fracture in Mo
 Spriet, B. 5=6419, Coarse-grained crystals of a-Pu
 Spriet, B. 5=12013, \alpha = \beta transformation temperature of Pu
 Spriet, B. 5=15098, Slip plane in \alpha-Pu
Spriggs, R. M. + 5=3449, Grain growth in magnesia
Spriggs, R. M. + 5=6695, Mechanical properties of Al oxide
 +Spriggs, R. M. 5=12520, MgO mechanical properties
 +Spriggs, R. M. 5=15141, Strength, grain size and porosity in
       Al<sub>2</sub>O<sub>3</sub>
 +Spriggs, R. S. 5=3994, Superconductivity of In films
+Spring, E. 5=5508, Mixing ratios in even—even nuclei
 +Spring, E. 5=14536, Cl^{35,37}(p, \gamma) from 800 keV to 2050 keV
 +Springer, K. 5=2779, \beta-Ray spectra of \ln^{114} K<sup>42</sup> Rb<sup>85</sup>, Sr<sup>90</sup>, and Y<sup>90</sup> +Springford, M. 5=9761, De Haas-van Alphen effect
 Sprinz, H. 5=9161, p relaxation of Mn ions in H<sub>2</sub>O
 Sprokel, G. J. + 5=12332, Diffusion of Au into Si
+Spruch, G. M. 5=9743, Photovoltages in Ge layers
 +Spruch, L. 5=245, Ferrite scattering of e.m. waves +Spruch, L. 5=11456, Long-range interactions
 Spurny, Z. 5=13095, Phosphor weight and thermoluminescence
 Spyropoulos, C.S. 5=13789, Excitation of biological membranes +Squire, C.F. 5=9763, Magnetic properties of LiF
 Squires, G. L. 5=6438, Neutron diffraction in chemistry Squires, E. J. 5=2490, Partial-wave amplitudes
 Squires, E.J. 5=2474, Random-phase approximation in scattering Squires, E.J. 5=8250, Inelasticity and dispersion relations
  +Sredniawa, B. 5=8219, Bipoint model of elementary particle
 Sreedhar, A. K. + 5=4014, Thermoelectric cooling materials
  +Sreedhar, A. K. 5=6358, Materials for thermoelectric coolers
  +Sreenivasan, N. 5=11147, Spectrum of cosmic-ray protons
+Sreenivasan, V. R. 5=12065, Desorption of He from micas
  +Srikantha, S. 5=12246, Neutron diffraction of (NH<sub>4</sub>)<sub>2</sub>C<sub>2</sub>O<sub>4</sub>, H<sub>2</sub>O
  +Srinivasa Rao, A. 5=3061, NMR studies on H-bonds
  +Srinivasan, R. 5=979, Spectra and structure of bicyclo [1.1.0]
       butane
  +Srinivasan, R. 5=1336, Bijvoet differences
  +Srinivasan, R. 5=15001, Phase distribution in crystals
 Srinivasan, S. K. + 5=665, Bursts by muons and electrons
  Srinivasan, S. K. + 5=8500, Electromagnetic cascades. III
  Srinivasan, T. M. + 5=6647, Color centers in KCl and KBr
  Srivastava, B. K. 5=5458, \gamma-disintegration of t calculation
  +Srivastava, B. K. 5=8389, Form factors in e-3N scattering
 Srivastava, B. N. + 5=13997, He liquefier
 Srivastava, G. P. 5=3039, Spectrum of nonfluoro acetic acid
+Srivastava, K. G. 5=9770, Susceptibility of cobaltous ions
  Srivastava, O. N. + 5=15009, Anomalous CdL structures
 +Srivastava, P. K. 5=8242, Balázs-type bootstraps
+Srivastava, P. L. 5=6518, Phonon spectrum of sodium
Srivastava, R. + 5=9770, Susceptibility of cobaltous ions
 +Srivastava, S. L. 5=2927, London dispersion forces
+Srivastava, S. L. 5=11610, Molecular collision cross section
  Srivastava, S. N. 5=12158, Structure refining by differential
        synthesis
 Sroubek, Z. + 5=1796, Paramagnetic resonance of Cu<sup>2+</sup> in CdWO<sub>4</sub> +Sroubek, Z. 5=4251, E. S. R. of No<sub>3</sub><sup>2-</sup> in Pb[Sr](NO<sub>3</sub>)<sub>2</sub> +Šroubek, Z. 5=12607, Band gap in SrTiO<sub>4</sub>
  +Staas, F. A. 5=6859, Type II superconductors
  +Staats, P. A. 5=14151, Simple He-Ne laser
  Stachowiak, H. 5=9619, Boundary problems in galvanomagnetics
  +Stadler, B. 5=8786, Mu-mesonic X-rays
  Stadler, H. L. + 5=1679, Domain wall in BaTiO
  +Stadsnes, J. 5=11154, Cosmic ray storms in 1959
```

```
+Staebler, D. L. 5=5012, Threshold current in GaAs lasers
+Staes, K. 5=3406, Vapour pressure of methane
+Staes, K. 5=6218, Vapour pressure of liquid argon
+Stafeeva, N. M. 5=6539. Thermodynamic functions of ferrites
+Stafford, F.E. 5=1010, Dissociation of B.H.
Staflin, T. 5=15571, Si photo-induced i.r. absorption
 +Stainer, H. M. 5=14756, Nonlinear waves in hot plasma
Stair, R. + 5=10683, Standard for spectral irradiance
+Stakhanov, I. P. 5=11685, Plasma conductivity
Stakhanov, I. P. + 5=14045, Thermionic energy converter
 +Stakhyra, I. M. 5=13055, Optical properties of In, Se
 +Staley, H. G. 5=13152, Gaseous oxides of Ir
+Stal'gorova, O.V. 5=1550, Elastic properties of carbides
+Stals, L. 5=252, X-Y-recorder for resonance experiments
Stals, L. + 5=15177, Recovery in Nb
Stamenković, I. 5=12288, Entropy of U<sub>3</sub>O<sub>7</sub>
 +Stamires, D. 5=15495, E. P. R. of Cu ions in crystals
 +Stamm'ler, R.J.J. 5=2866, Critical assemblies of the NPY-
Stammreich, H. + 5=11580, Molecular vibrations of quinones. IV
+Stamp, A. P. 5=772, Distribution of absorption potential +Stan, I. 5=6803, Effective mass equation
 +Stan, I. 5=12566, Interactions in crystals
 +Stanchi, L. 5=5255, Track recognition in ionization chambers
Stanciu, G.N. 5=589, Neutrino production of muon pairs
 +Stancu, F1. 5=830, H3 or He3 reduced widths
 Standish, N. 5=11850, Wetting by Bi-Pb-Sn-Cd alloy
 Standley, K. J. + 5=7220, Relaxation times in ruby
 +Stanford, A. L. Jr 5=1261, Phase transition in BaTiO.
 Stanley, E. 5=12160, Thermal parameter errors
 +Stanley, H.E. 5=11667, H<sup>+</sup> electron capture in He
 +Stanley, R. 5. =8499, High-energy nuclear jets
Stanley, E. 5=9365, Sr caprylate hydrate structure
 +Stannard, F.R. 5=638, Muonic decay of \lambda-hyperon +Stannard, F.R. 5=5425, Upper limit for \omega^{\circ} \rightarrow e^+ + e^-+Stannard, F.R. 5=8484, Beta-decay of \Sigma^{\pm}-hyperons
 +Stannard, F. R. 5=11120, \beta-decay of \Lambda
 +Stannard, F. R. 5=11122, Lambda-hyperon beta decay
Stanojević, D. M. + 5=8668, The N^{14}(d, \alpha)C^{12} reactions at 1 MeV Stanojević, D. M. + 5=14548, N^{14}(d, p)N^{15} reaction about 1 MeV Stansbury, E. E. + 5=13990, Thermocouple circuit for calorimetry
 +Stansbury, E. E. 5=15046, Specific heat of Cu, Ni, and Cu-Ni
Stanton, H. E. + 5=3125, Kinetic-energy of fragment ions
 +Staples, J. L. 5=15321, Microwave oscillations in GaAs
 +Stapleton, H. J. 5=7215, E.S.R. in double nitrates
  +Stapleton, H. J. 5=12989, Spin-lattice relaxation in Cs<sub>2</sub>ZrCl<sub>6</sub>
 Stapleton, R. E. 5=8152, The sharpness of reflected images
 Stapp, H. P. 5=2, Space, time and elementary particles
 +Starchik, L. P. 5=13807, (\alpha, n_y) reaction thickness measurement
+Stark, A. H. 5=7018, Solid solutions PbHfO<sub>3</sub>—PbTiO<sub>3</sub>—PbSnO<sub>3</sub>—
 PbNb<sub>2</sub>O<sub>5</sub>
+Stark, D. 5=9239, Surface migration of Rh
  +Stark, L. 5=8173, Accommodative tracking
 +Stark, M. 5=9760, High secondary electron emission
 +Stark, R. 5=2671, \tau^{\dagger} Branching ratio
 Starling, P. P. 5=216, Accelerated beams
+Starobinets, S. S. 5=15480, Ferromagnetic resonance device
  +Starodubov, Ya. D. 5=6373, Growth of twins in pure iron
 +Starodubov, Ya. D. 5=6721, Creep and twining of pure Fe
+Starodubov, Ya. D. 5=6743, Creep of nickel
+Starodubov, Ya. D. 5=12460, Creep of metals
+Starodubov, Ya. D. 5=15131, Creep at low temperatures
 +Starodubtsev, S.V. 5=821, Cross-section of neutrons
 Starodubtsev, S. V. + 5=2839, \alpha-Scattering by B +Starodubtsev, S. V. 5=9495, Colouration of ruby by \gamma-rays
  +Starostin, A. 5=10992, Bremsstrahlung of electrons on atom
+Starostin, N. V. 5=10505, He<sup>-2</sup> ions in cyclotron source
  +Starostina, L. S. 5=10429, e-Bombardment heater stabilization
  +Starostina, L. S. 5=12647, Temperature and electrical
        conductivity of Mo and W
  +Startsev, G. P. 5=902, Spectrum of Fe
 Startsev, G. P. + 5=1040, Temperature of an arc
+Startsev, G. P. 5=8757, Arc lines of Fe-group elements
+Startsev, G. P. 5=11434, Oscillator strengths in Fe spectrum
  +Startsev, V.E. 5=12647, Temperature and electrical conductivity
       of Mo and W
  +Startsev, V.I. 5=12082, Elastic twinning in Bi
  +Startseva, I. E. 5=7171, Mg-Mn-Fe ferrite properties
+Starunov, V. S. 5=1181, Ultrasonic attenuation in liquids
  + Stary, F. 5=7061, Pre-pulse in photomultiplier
+Stary, F. 5=9754, Time behaviour, photomultipliers
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+Stary, F. 5=9755, Prepulses in photomultipliers

```
Stasiw, M. 5=7366, Absorption of irradiated, doped AgBr Stasiw, M. + 5=13073, Absorption of AgBr +Staude, A. 5=5320, Neutrino interactions
+Staude, W. 5=1412, Phonon structure in alkali halides
Stauffer, A. D. + 5=5777, Electron-impact excitation of atoms
+Stauffer, A. D. 5=11428, Quadrupole strengths in He
+Stauffer, J. L. 5=5837, Molecular geometry determination
+Stavenow, F. 5=1480, Stacking-faults in copper and brass
Staverman, A. J. 5=1539, Mechanical properties of polymers Stavinsky, V. + 5=11379, (n, \gamma f) Process
+Stavinsky, V.S. 5=2728, Nuclear level density
Stavinsky, V.S. 5=8694, Fission fragment kinetic energy
Stavis, G. 5=10591, Laser light energy
+Stavra, M. L. 5=12663, Josephson tunnelling in superconductors
Stavraki, G. L. 5=10771, Stockelberg's formalism for field of
Stavropoulos, C.C. 5=4445, Ocean measuring techniques
Stavsky, Y. 5=7757, Thermoelastic heterogeneous anisotropic
     bodies
Stawikowski, A. + 5=4640, Ratio C^{12}/C^{13} in comet Stearns, C. A. + 5=9538, Anelastic behaviour of Cu
Stearns, C. A. 5=12396, NaCl dislocations by X-rays
Stearns, M. B. + 5=4193, Spin-density oscillations in alloys
+Stearns, M.B. 5=4194, Spin susceptibility in Fe
+Stearns, R.I. 5=1576, Energy gap of \beta silver selenide
Stearns, R. I. 5=12599, BP band gap
 +Stebbings, R. F. 5=8962, Impact ionization of O2
Stebbings, R. F. + 5=11675, O to O and H charge transfer
Stebbins, J. P. + 5=9248, Hard-disk monolayer isotherms
Stebler, B. 5=9303, Electron microscope specimen preparation
Stecher, P. + 5=1250, Cr-W-C system
Steckelmacher, W. 5=6111, Low pressure measurements 1964 +Steckelmacher, W. 5=7711, Pirani gauge
Steckelmacher, W. 5=9063, Low pressure measurement
+Steckelmacher, W. 5=11939, Evaporation by constant current
 +Steeb, S. 5=6210, Quasibinary system UCo2-UAl2
Steeb, S. + 5=15022, UO<sub>2</sub> film electron diffraction
Steel, W. H. 2=291, Optics in Australia
Steel, W. H. 5=5082, Möbius-band interferometers
Steel, W. H. 5=8140, Radial shear interferometer
+Steele, D. 5=8851, Spectra of B heterocyclic compounds
+Steele, D. 5=11523, I.R. spectra of BBr3 and BI3
Steele, E. L. + 5=10636, Laser amplifiers
Steele, F. K. + 5=7515, Earth-ionosphere waveguide
+Steele, F. K. 5=13485, Effects in D region
+Steele, M. C. 5=9607, Plasma effects in solids
Steele, W. A. + 5=6127, Compressibility of liquids
Steele, W. A. + 5=6154, Transport properties of liquids +Steen, H. B. 5=804, Yields of Na^{23} reactions
+Steenbeck, M. 5=232, Global conductivity anisotropy
+Steeple, H. 5=2171, Levels of cryogenic liquids
+Ştefan, H. 5=14492, Favoured alpha transitions
+Stefan, V. 5=15343, Electrical properties of SnO<sub>2</sub> films
Stefănescu, Al. + 5=815, Capture cross section of graphite
+Stefans'kyi, I. V. 5=4326, Refractive properties of NaI:Tl
+Stefant, R. 5=7534, Pearl-type emissions at conjugate points
+Steffen, P. 5=9024, Diffusion of inhomogeneous ultrasonic waves
      in a stable and unstable layered fluid
+Steffen, R.M. 5=718, Even-even nuclei 2* states
Stegelmann, E. J. + 5=13596, Geomagnetic storms
 +Stegelmann, E. J. 5=13597, Discussion: geomagnetic storms
Steger, E. + 5=4291, I.R. spectra of mixed crystals
+Stegemeyer, H. 5=3348, Luminescence of cis-stilbene
Steggles, J. S. 5=11834, Fracture viewing in viscometer
+Stegun, I. A. 5=4720, Mathematical functions and tables
Steidel, C.A. + 5=4080, Conductance of Ag halides
+Steigerwald, E. A. 5=15191, W-Cu composites strength
+Steigmeier, E. F. 5=1649, Thermal properties of Ge-Si alloys Steigmeier, E. F. + 5=6509, Phonon-electron scattering in Ge-Si
+Stein, B. A. 5=12546, Adhesive silicate powders
Stein, D. F. + 5=12395, Si-Fe dislocation mobility at 20°K
+Stein, J. 5=5320, Neutrino interactions
Stein, P. K. 5=10212, Material for strain gages. II
Stein, R. + 5=5624, Heavy ions created by protons
Stein, R. + 5=8341, Emulsion charge discrimination
Stein, R. P. + 5=1065, Recombination of electrons with NO<sup>+</sup> +Stein, R. S. 5=3874, Polyolefin morphology and deformation. II
+Steinberg, P. H. 5=5501, Lifetimes of hypernuclei, "H",4.5
+Steinberg, P. H. 5=8477, Hyperon interaction
+Steinberger, I. T. 5=7405, Luminescence and conductivity of ZnS
+Steinberger, I. T. 5=15105, Field inhomogeneities in ZnS
+Steinberger, J. 5=11125, \Sigma-\Lambda relative parity
```

```
Steiner, A. \pm 5=3394, Magnesium-tin phase diagram +Steiner, H. 5=5349, p̄ + p cross-sections +Steiner, H. J. 5=5320, Neutrino interactions
Steinert, J. + 5=1736, Demagnetization factors
+Steinert, J. 5=8031, Spin generators with flowing samples Steinfeld, J. I. + 5=5847, B ^3\mathrm{II}_{0,\mu} + state of iodine +Steinfink, H. 5=9347, The crystal structure of alunite
 +Steinfink, H. 5=12646, Electrical measurements in La—Te
+Steingraber, O. J. 5=2508, Fluorescence decay-time apparatus
 Steinkamp, P. 5=7930, Boundary layer in m.h.d. generator
 Stejskal, E.O. + 5=4982, Spin diffusion measurements
Steketee, J. A. 5=10510, Rayleigh problem in M.H.D.
 +Stekol'nikov, I.S. 5=5945, Recovering discharges and lightnings
Stella, A. + 5=4115, Photoconductivity in Mg,Si [Ge] +Stel'makh, M. F. 5=11966, Internal magnetic fields of W, Ru in 1
 +Stelman, D. 5=372, Quartic oscillator
+Stelson, P. H. 5=11374, O<sup>18</sup>—O<sup>16</sup> scattering
 +Stelts, M. L. 5=2847, (\alpha, n) reactions in elements with A ~ 100
 +Stemple, N.R. 5=3481, Orientation and evaporation of CdS
Stenerson, R.O. + 5=8504, m scattering and C12 structure
 Stenström, T. + 5=11236, Er and Ho decay
 +Stepanenko, I. A. 5=11702, Plasma trapping
 +Stepanenko, I. A. 5=11703, Plasmoid spectroscopy
 +Stepanov, A. S. 5=11685, Plasma conductivity
 +Stepanov, A.S. 5=14045, Thermionic energy converter
 Stepanov, B. I. + 5=2277, Optical properties of lasers
 +Stepanov, K. N. 5=1095, Excitation of e.m. waves in plasma
 +Stepanov, K. N. 5=3198, Plasma oscillations in magnetic field
Stepanov, K. N. 5=9006, Plasma ion cyclotron instabilities
 +Stepanov, K. N. 5=11744, Magneto-acoustic waves in plasma
 +Stepanov, K. N. 5=14721, Electron radiation in plasma
 +Stepanov, K. N. 5=14754, Plasma-wave propagation
 +Stepanov, S. A. 5=12427, Color centers in sodium alumino-
       silicate glasses, 5=12427
 +Stepanov, V. A. 5=12141, Chemical saw and drill Stepanov, V. A. + 5=15134, Lifetime of metals
 +Stepanov, V. D. 5=10937, Bubble chamber photographs
+Stepanov, V.G. 5=1801, E.P.R. of Mn<sup>2+</sup> in CaF,
+Stepanov, V.G. 5=7240, Mn<sup>2+</sup> e.s.r. in diopside
 +Stepanov, V. G. 5=7242, Mn<sup>2+</sup> e.s.r. in apatite
 +Stepanov, V. N. 5=3823, Contact friction and fatigue
 Stepanovskyi, Yu. P. 5=10794, Wave equations with arbitrary spir
 Stephany, J. F. 5=7315, Piezo-optic resonances in crystals
 +Stephen, M. 5=3981, Normal and superconducting states
Stephens, A. W. + 5=3532, Crystallography of Al
 +Stephens, C. 5=1567, Phonon drag in silicon
+Stephens, F.S. 5=707, Centrifugal stretching of nuclei
Stephens, F.S. + 5=11375, Heavy-ion nuclear reactions
 +Stephens, J. J. 5=10551, Radar backscattering
 +Stephens, W. E. 5=781, Photoprotons from carbon
 Stephens, W. E. 5=761, Photoprotons from Carbon +Stephens, W. E. 5=763, O^{16}(\gamma, n)O^{15} reaction Stephenson, C. V. + 5=5896, Spectra of \alpha, \alpha, \alpha-trichlorotoluene Stephenson, N. C. 5=12188, Crystal structure of Ba_gTi_2Nb_gO_{30} Stepin, L. D. 5=2198, Dielectric constant of medium with
       inclusions
 +Stepin, L. D. 5=14016, Dielectric constant measurement
 +Stepina, E.I. 5=1513, Cleavage in calcite crystals
 +Stepniowski, I. 5=8317, Point counter
 Stepp, E. E. + 5=5762, Afterglow of mercury
 +Stepunin, P. M. 5=14127, Powers in mm waveband
 +Sterin, Kh. E. 5=13023, Raman intensities of powders
 Sterk, A. A. 5=5123, Soft X-ray generation
 +Sterlinski, S. 5=8576, Measuring activity
 Stern, D. 5=4535, Cosmic ray anisotropy
 Stern, D. 5=4646, Interplanetary magnetic field
 Stern, D. 5=10482, Charges in magnetic fields
  +Stern, E. 5=13642, Satellite stabilization and control
  +Stern, E. A. 5=7314, Faraday effect in solids
 +Stern, F. 5=285, Transverse modes in GaAs lasers
Stern, H. 5=9398, Thermal conductivity magnetic transition
  +Stern, H. E. 5=15848, Meteoroid distributions
 Stern, J. H. + 5=1179, Thermodynamic properties of aqueous
       solutions
 Stern, J. H. + 5=11879, Thermodynamics of HCl-KCl
 Stern, K. H. 5=12323, Conductance of glass in molten salts
  +Stern, R. C. 5=10001, Chemisorbed CO isotopic mixing in
 Stern, R. M. 5=9438, Tungsten (110) surface characteristics
 +Stern, W. A. 5=14142, Rbs7 maser oscillator
 +Šternberk, J. 5=7172, Induction in Mn-Cu ferrite
+Sterne, J. 5=7520, Earth—ionosphere cavity resonance
  +Sternglass, E. J. 5=2530, Planar dynode multipliers
Sternglass, E. J. 5=11054, e—e* Model for charged mesons
```

Sternheimer, J. 5=5189, Masses of elementary particles ernheimer, R. M. 5=423, Strongly interacting particles ernheimer, R. M. 5=2562, Strongly interacting particles ternheimer, R. M. 5=5301, Strongly interacting particles terzel, W. 5=7300. Lattice distortion and spectra Sterzel, W. 5=9306. Recrystallization of Al, Cu and Ni Sterzer, F. 5=6954, Capacitance of p-n junctions Steshenko, N. V. 5=13783, Solar flares teshenko, V. V. + 5=11001, X-ray quantometer Stetsenko, A. N. 5=6321, Vacuum-deposited cobalt films Stetsenko, B. V. 5=10608, Fluctuations of laser emission tetsenko, P. N. + 5=1773, Antiferromagnetic transition metals Stetsenko, V. I. 5=8373, Attenuation of $\cos^{60}\gamma$ and absorber temperature Stets'kiv, O. P. 5=1208, Thermo-e. m. f. of liquid Sb-B Stets'kiv, O. P. 5=3361, Thermoelectric properties of Bi-Sn tettler, J. D. + 5=1221, Crystalline field stress Steudel, A. 5=11432, Eu hyperfine structure, electric n.q.r. Steudel, R. + 5=13150, Sulphur monoxide XV Steuer, M. F. 5=5648, Scattering neutrons by carbon stevens, B. + 5=1196, Enthalpies and entropies of photoassociation Stevens, B. + 5=11551, Fluorescence in aromatic vapours Stevens, E. R. 5=11878, Mg-Zn thermodynamic properties Stevens, H. J. 5=8422, Multiple scatter corrections +Stevens, H. J. 5=8640, Monte Carlo scatter corrections Stevens, J. C. + 5=10343, Individual loudness functions tevens, R. M. + 5=2955, Perturbed Hartree-Fock calculations. IV Stevens, R. M. + 5=8815, Polarizability of HF +Stevens, S.S. 5=2360, Duration and luminance under adaptation Stevenson, M. L. 5=630, K-P charge exchange +Stewardson, E. A. 5=1833, Absorption of X-rays +Stewart, B. B. 5=14137, N.M.R. tubes for fluorine compounds Stewart, B. B. 5=16151, N.M.R. tubes for floor the Compounds Stewart, D. T. +5=5647, Interaction of neutrons with C^{12} and Mg^{24} +Stewart, D. T. 5=8643, $Si^{28,32}(n, n')$ at 14. 1 MeV Stewart, E.S. + 5=9109, Hypersonic dispersion in liquids +Stewart, F. L. 5=10181, Solar activity in January to June 1964 +Stewart, I. 5=928, Inelastic atomic collisions Stewart, J. C. 5=4775, Non-grey radiative transfer +Stewart, J. L. 5=9109, Hypersonic dispersion in liquids +Stewart, J. R. 5=5275, Quadrupole magnet as momentum spectrometer Stewart, R. T. 5=13782, Sources of solar radio bursts Stewartson, K. 5=6069, Erratum: Viscous hypersonic flow +Stewartson, K. 5=11779, Flow past plate Stichel, P. + 5=8465, Drell effect and gauge invariance +Stickford, G. H. 5=10356, Radiative transfer gage +Stickler, R. 5=1452, Faults in epitaxial silicon +Stickler, R. 5=1653, Small particles in silicon +Stickler, R. 5=9697, Silicon controlled rectifiers +Stiefler, W. 5=751, Photodisintegration of Mg²⁴ +Stiefler, W. 5=752, Nucleon decay from Mg²⁴ +Stiening, R. 5=8395, Depolarization of positrons Stier, H. E. + 5=9506, Velocity of sputtered particles Stierwalt, D. L. + 5=9908, InAs i. r. emittance +Stil'bans, L. S. 5=9731, Multistage thermoelectric generators Stilles, W. S. 5=8180, Foveal threshold sensitivity +Stiller, G. 5=11352, C^{12} (d, α) B^{10} reaction at 9.2-13.8 MeV Stillinger, F. H., Jr. + 5=3305, Critical solution behavior +Stilwell, G. R. 5=9792, Amorphous magnetic films Stinchcomb, T. G. 5=13411, Particle motions in earth's magnetic fields Stirand, O. + 5=5931, Striations of positive column +Stirland, D. J. 5=9299, Epitaxial Si on quartz +Stirland, D. J. 5=12053, Growth of Ag and Au films Stipcevic, Z. 5=4761, Many body systems-Hartree method Stix, T. H. 5=6050, Beam-plasma overstability +Stock, R. 5=5532, Excitation of the 7/2 level in Cr53 +Stocker, T. L. 5=10643, Frequency shifts in ruby lasers Stockhausen, R. 5=10186, Fe XIV in solar corona Stockhausen, R. E. + 5=10176, C2 swan bands in comets Stoddart, J. C. 5=5160, Asymptotic field theory Stoddart, L. C. + 5=7894, Detection and recording systems +Stoddart, L. C. 5=7896, Calorimeter and spectrophotometer for Stoebe, T.G. + 5=15510, Paramagnetic impurities in n. m.r. Stoebner, A. + 5=5850, Band spectrum of N_2

Stoianov, N. V. 5=4727, Motions of a pendulum +Stoicheff, B. P. 5=1183, Brillouin scattering in liquids +Stoicheff, B. P. 5=3029, Raman spectra XVIII C₂H₆ +Stoicheff, B. P. 5=6533, Brillouin scattering and u. s. generation +Stoicheff, B. P. 5=7408. Laser—fluorescence in anthracene Stoicovici, F. + 5=10966, Ceramics in betatrons +Stoilov, Yu. Yu. 5=8068, Pulsed Q-switched ruby laser Stojanov, D. + 5=5213, Relativistic three-body problem +Stokes, G. E. 5=5368, n spectrometer backgrounds +Stokes, R. J. 5=1324, Technique for preparing foils +Stokes, R. J. 5=3863, Mechanical behavior of MgO +Stokes, R. J. 5=6736, MgO alloy fabrication and plasticity +Stokkeland, O. E. 5=6596, H in Ta-H system +Stokkeland, O. E. 5=5596, H in Ta-H system Stolarz, St. 5=1252, Fe-Al sintered alloys Stoll, E. + 5=6462, Cation distribution of spinel (MgAl₂O₄) Stoll, I. 5=4984, Quantum generators Stoloff, N. S.+ 5=6774, Zn-Ag deformation modes +Stolov, A. M. 5=9015, Characteristics of "TOKAMAK - 3" Stolov, H. L. + 5=13577, Variations of geomagnetic activity +Stolyarov, V. M. 5=12446, Damping of torsional oscillations +Stolz, H. 5=15201, Electron-phonon interaction in metals Stolz, W. 5=9125, Liquid organic scintillators Stone, B. D. + 5=13148, BP and B₆P thermodynamics +Stone, C. A. 5=13374, Night airglow intensity +Stone, D. J. 5=13589, Noncyclic variation Stone, E. C. 5=11148, Primary proton flux Stone, E. C. 5=11149, Non-Störmer cutoff for 1.5-MeV protons Stone, J A. + 5=1237, γ -emission after α -decay Stone, M. L. + 5=13462, Ionospheric perturbation +Stone, N. J. 5=730, Conversion electrons from Ce^{137m} +Stone, N. J. 5=6248, Au nuclear polarization in iron +Stone, N. J. 5=14506, Nuclear polarization of Ir^{122} +Stone, R. G. 5=7687, Satellite system for radioastronomy +Stone, R. N. 5=4418, Infra-red gas analyser Stoneburner, D. F. 5=11905. Tl alloy electrical properties Stoneham, A. M. 5=7224, Tutton salt spin-lattice relaxation +Stonehill, D. L. 5=2689, Existence of Ω-hyperon Stonkus, S. + 5=6922, Electrical conductivity of CdSe Stoneley, R. 5=10314, Polarization of distortional waves Stoner, J. O., Jr. 5=890, Balmer lines in H beam Stoquart, J. + 5=4018, High frequency "forming" of CdS +Storey, L. R. O. 5=7530, Sporadic-E ionization +Stork, D. H. 5=2654, Properties of 960-MeV boson +Story, H. S. 5=4704, N.Q.R. student experiment Stott, D. + 5=10068, Electrification of freezing water drops +Stott, J. W. 5=9851, ESR absorption by V²⁺ in CdCl₂ +Stow, C. D. 5=13277, Electrification by ice-hail collisions +Stowell, M. J. 5=9246, Au and Ag films +Stowell, M. J. 5=12407, Stacking fault energies +Stoyanov, D. 5=10872, Relativistic three body problem Stoyanov, P. A. + 5=12144, Electron microscope contamination Stoyle, R. J. + 5=11132, β -decay of t, d, and n +Strack, H. 5=15596, Luminescence in GaAs transistors +Strait, E. N. 5=8413, p-d polarization +Straiton, A. W. 5=13286, Attenuation of Earth's atmosphere Straizhi, V. 5=13733, U, B, V slope and galactic longitude Strakhov, L. P. + 5=10456, Instrument for magnetic susceptibility +Strakhov, L. P. 5=12819, Contact potential of CdSe Strakhov, V.N. 5=25, Transformation of potential fields, II-III Strakhov, V.N. 5=15754, Smoothing of observed fields. I +Strakhovskii, G. M. 5=11471, Determining relaxation rates Strand, K. A. 5=10122, Determination of stellar distances +Strand, R. 5=622, π^*-d interactions +Strand, R.C. 5=2689, Existence of Ω-hyperon +Strandberg, M. W. P. 5=10464, Magnetic field of coils Straniukovich, K. P. 5=10257, General theory of relativity Strashkevich, A. M. 5=14069, Effective potential and electron optics Strashkevich, A. M. 5=14070, Electrostatic cylindrical lenses +Strassburger, J. 5=6380, Growth of C₂H₂O₄ single crystals +Strater, K. 5=6379, Preparation and properties of Nb₃Sn +Strathdee, J. 5=8257, Strong interaction symmetries Stratton, R. 5=1707, Electron tunneling Stratton, R. P. + 5=1246, Order in Ag-Ga alloys +Stratton, R. P. 5=1341, Lattice parameters from powder diffraction +Stratton, R. P. 5=9354, Lattice spacings in Ag-Zn +Strauch, K. 5=5398, $\pi^- + p \rightarrow \eta^0 + n \text{ to } 1151 \text{ MeV}$ +Strauch, K. 5=10938, Wide-gap spark chambers +Strauch, K. 5=10981, γ -p Interactions, 0.5-4.8 BeV +Strauch, K. 5=11019, N_{33}^* (1238), ρ° production +Strauch, K. 5=14434, π p charge exchange Strauch, R. G. + 5=10575, Millimeter spectroscopy

+Stoian, D. 5=874, Boiling in reactor

+Stoenner, R.W. 5=757, Decay scheme of Rb^{83} Stoeppler, M. 5=13178, Separation of Po^{210} , S^{35} , Pb^{210} and Be^{7} +Stogsdill, E. E. 5=15867, Electrons at 17. 7 earth radii

Stoelinga, J. H. M. + 5=12921, Magnetostriction of Fe, Co, Ni alloys

+Straughan, B. W. 5=3746, CaF, growth

```
Straumanis, M. E. + 5=6448, Lattice parameters of Al_2Au Straumanis, M. E. + 5=9292, Growth of As_2O_3 on GaAs
Straumanis, M. E. + 5=11987, Solid solubility GaSb-GaAs
Straumann, N. 5=10217, Semisimple Lie algebras
+Strauss, A. J. 5=2300, PbTe diode laser
+Strauss, A. J. 5=6225, Congruently subliming CdTe(c)
+Strauss, A. J. 5=14165, PbSe diode laser
+Strauss, A. J. 5=15234, Band structure of HgTe
+Strauss, B. 5=3074, Dissociation. H. Ti<sub>2</sub> Cr<sub>2</sub>, Mn<sub>2</sub> and CO<sub>2</sub>
+Strauss, G. H. 5=13000, Cr53 n. m. r. in antiferromagnetic
      Cr_2O_3
Strauss, W.+ 5=239, Harmonic generation in magnetrons
Strauss, W. 5=7174, Magnetoelastic waves in YFe garnet
Strax, N. 5=10809, Magnetic monopoles
+Strayer, R. W. 5=1035, Radiation from anodes before breakdown
+Strayer, R. W. 5=3524, Adsorbed Cs on metals
+Strayer, R.W. 5=7048, Nottingham effect in emission
Streater, R. F. 5=2396, Quasi-free polylocal fields
Streater, R. F. 5=5241, Local theories of S-matrix
+Street, J. C. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV
+Street, J. C. 5=11019, N_{33}^* (1238), \rho^\circ production
+Street, K., Jr. 5=2971, Microwave and r.f. spectra of LiBr
+Street, K. Jr. 5=2985, Microwave and r.f. spectra of NaF
+Street, K., Jr. 5=11511, Microwave spectra of <sup>6</sup>Li<sup>127</sup>I
+Street, R. 5=9626, Magnetoresistance of chromium
 Streett, W. B. 5=9180, Ne-Ar liquid-vapour equilibrium
Streett, W. B. 5=14882, Liquid-vapour equilibrium in Ne-N
 Streifer, W. + 5=10597, Optical resonator modes
Streit, L. 5=475, S-matrix unitarity
 +Strelets, P. L. 5=4093, Ferroelectric {\rm Na_{05}Bi_{05}TiO_3}-PbTiO<sub>3</sub> +Strelkov, A. V. 5=5493, Resonance \gamma-absorption in Sm<sup>149</sup>
 +Strelkov, V. S. 5=6054, Heating of plasma in "TOKAMAK-3"
+Strel'tsov, N. S. 5=9015, Characteristics of "TOKAMAK - 3"
 +Stretton, J. L. 5=1015, Vibrational energy between molecules
+Strickland-Constable, R. F. 5=6363, Growth of crystals from
      melt
 Striganov, A.R. + 5=909, Spectrum of Sm II
+Striganov, A.R. 5=4947, Open e.m. resonators with mirrors
 +Striganov, A. R. 5=11721, Interferometer for plasma
 +Strini, G. 5=14381, Milan AVF cyclotron
 Strizhevskii, V. L. 5=1820, Nonlinear transformation of light
 +Strizhevskii, V. L. 5=1846, Raman scattering in quartz
+Strizhevskii, V. L. 5=11489, Vibration and Raman intensity
 Stroble, G. L. + 5=11235, Energy levels in Ho166
 +Stroke, G. W. 5=5091, Advances in diffraction gratings
 +Stroke, H. H. 5=5491, Nuclear moments of mercury isotopes
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 +Strom, S. E. 5=7581, Atmospheres for early stars
 Strom, S. E. + 5=7582, Early stellar atmospheres
 +Strömberg, L. G. 5=11334, The Li<sup>6</sup>(n, \alpha)H<sup>3</sup> reaction
 Stromberg, R.R. + 5=3510, Ellipsometry of adsorption
 +Stromberg, R. R. 5=7295, Optical properties of films
 Strömgren, B. 5=15796, Composition of high-velocity stars
 Strong, H. M. 5=3393, Nickel-carbon eutectic
 +Strong, H. M. 5=10391, Pressure dependence of thermocouples
 +Strong, J. 5=7641, Composition of clouds of Venus
 +Strong, J. 5=13749, Water in atmosphere of Venus
 Strong, J. 5=15846, I. R. astronomy by balloon
Strong, K. A. + 5=11520, Neutron scattering from NH<sub>3</sub>
 +Strong, S. L. 5=3437, Correlations in lead near melting
 Strongin, M. + 5=3983, Surface superconductivity. I
+Strongin, M. 5=12672, Ginzburg—Landau coefficient in super-
       conductors
 +Stroot, J. P. 5=492, Gas Čerenkov counter-disc
+Stroot, J. P. 5=8659, Pion double charge exchange
 Stroppe, H. 5=12452, X-ray measurement of triaxial stretching
 Stroud, M. F. + 5=12080, Surface re-orientation on Sb
 +Strube, G. 5=5553, Gamma-decay of 1174 keV Yb1
 +Strugalski, Z. 5=5391, Production of \gamma pairs in \pi^- + Xe
 Strugalski, Z. S. + 5=14544, \pi^--N in Xe, 9 \text{ GeV/c}
 +Strugal'skii, Z.S. 5=601, Charge exchange of pions on protons
 +Strugaru, D. 5=15625, Poisoning of a catalyst
 Strukov, B. A. + 5=14924, (NH_4)_2SO_4 phase boundaries
 Strukov, B. A. 5=15051, Heat capacity of triglycine sulfate
 +Strumane, R. 5=3759, Charged dislocations
 Strumane, R. + 5=1474, Dislocation charge in NaCl
 +Strumia, F. 5=8766, Faraday effect in Na vapour
 Struminskii, B.V. 5=649. Thermal capture on D Strunin, B. M. 5=12464, Easy slip in crystals +Strunov, L. 5=8410, p—p scattering from 2 to 10 GeV
 Strutinskii, V. M. 5=766, Nucleon transfer reactions
```

```
Strutt, C.R. 5=293, Research of 4th Baron Rayleigh
Strutt, C.R. 5=294, Papers of 4th Baron Rayleigh
Strutt, G.R. 5=4, Robert John Strutt
+Struzhko, B. G. 5=10904, Scintillation spectrometer
 +Stuade, A. 5=2584, Interactions of muon-neutrinos
 Stuart, P.R. 5=12690, Superconducting computer devices
 Stubbe, P. 5=13515, Temperature variation, F-layer maximum
 +Stubbles, J. R. 5=11992, Sodium-uranium-oxygen system
 Stubbs, H. E. 5=10662, Pointing of optical axis
+Stubbs, R. 5=9716, Ice electrets
 Stuber, W. 5=8292, Buffer storage
 +Studier, M. H. 5=2790, Radioactive noble gases
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 +Studnička, J. 5=7005, Permittivity of Se at 3.3 cm
 Stueckelberg de Breidenbach, E. C. G. 5=4764, Detailed balancing
 Stuke, J. + 5=4362, Optical properties of Se-Te Stuke, J. + 5=12589, Phonon-drag in Se
 +Stuke, J. 5=15340, Electrical, optical properties of Te
 +Stump, R. 5=5321, Neutrino interactions
 +Stump, R. F. 5=531, Mura electron accelerator. XIII
Stumpf, H.+ 5=8200, Tamm-Dancoff anharmonic oscillator
 +Sturge, M. D. 5=9960, R lines of ruby
 Sturges, D. J. + 5=1028, Glow discharge in He and Ne
 Sturrock, P. A. 5=1985, Solar chromosphere structure
Sturrock, P.A. + 5=4677, Solar flares
Sturrock, P. A. 5=8998, Plasma dipole resonances
 Sturrock, P.A. 5=11741, Electrostatic waves in plasma
Stuwer, D. + 5=8650, Total neutron cross-sections
 Styro, B. + 5=7499, Air radioactivity
 +Styro, B. 5=7501, Atmospheric radioactivity
 Su, C. H. 5=79, Kinetic theory of weakly coupled gas
  +Su, C. H. 5=8987, Electrostatic probes
 Su, C. H. 5=9027, Near-free molecule Couette flow
  +Su,G-J. 5=13076, Na<sub>2</sub>O, XSiO<sub>2</sub> i.r. spectra 5=13076
 +Suardo, A. 5=13129, Cu electroluminescence in ZnS
 Subashiev, V. K. + 5=1692, Photoeffect in semiconductors
 Subashiev, V. K. + 5=7297, Optical constants of semiconductors
Subashiev, V. K. 5=12847, Quantum yield of photoeffect
Subashiev, V. K. + 5=13070, Valence band of Si
  +Subashiev, V. K. 5=15232, Conduction bands of GaAs-GaP
  +Subba Raju, G.C. 5=1946, Electron content determinations
 Subbota-Mel'nik, P. A. 5=15586, Taumeter
  +Subbotin, B. V. 5=10899, Pulses from ionization chambers
  +Subbotin, G. 5=5579, Proton decay of nuclei
  Subbotin, S. I. + 5=8857, Raman spectrum of cyclopentene
 Subbotin, V. I. + 5=4850, Temperature pulsations in liquid Subbotin, V. I. + 5=6169, Heat transfer to sodium
  Šubertová, S. + 5=11621, Acoustic waves in discharge
 Subirana, J.A. 5=3316, Viscosity of solutions of macromolecules
  +Sublet, P. 5=6410, Structural properties of pyrolytic carbon
  Subrahmanyam, B. + 5=6700, Elastic studies in brasses
 Subrahmanyam, B. + 5=6729, Pb alloy elastic properties
Subrahmanyam, B. + 5=6730, Ternary alloy elastic moduli
  +Subrahmanyam, C. V. 5=15893, Solar radio flux and ionospheric
       disturbances
  Subrahmanyam, S. V. + 5=11887, Ultrasonic relaxation and
       isomerization
  +Subrahmanyam, S. V. 5=11889, U. S. relaxation in isopropyl
       formate
  +Subrahmanyam, V. P. 5=1919, Radiation at Waltair
  +Subrahmanyan, R. V. 5=13580, Geomagnetism and equatorial
       electrojet
  Subrahmanyan, R. V. 5=13583, Geomagnetic effects of flares Subramanian, D. V. 5=15653, Electronic thermometer
  +Succi, C. 5=536, Milan cyclotron. I. H polarizer
+Succi, C. 5=14381, Milan AVF cyclotron
  +Succi, C. 5=14382, Source of polarized protons
  Suchet, J. 5=6937, Semiconducting properties of y-Fe<sub>2</sub>Te<sub>3</sub>
  +Suchkov, D. A. 5=10941, Spark chamber
  +Suchorzewska, J. 5=798, Li<sup>8</sup> fragments from emulsion interact
+Suchorzewska, J. 5=5625, Interaction of protons with heavy nu
  Suckewer, S. + 5=4889, Plasma velocity in m.h.d. generator
  Suckling, E. E. + 5=4823, Hearing system of fish
  +Suckling, J. A. 5=4823, Hearing system of fish
   +Suda, S. 5=3786, Displacement threshold in Cu
  Sudan, R. N. 5=9011, Electromagnetic instabilities in plasma
  +Sudarshan, E.C.G. 5=379, Space-time and symmetry groups Sudarshan, E.C.G.+ 5=2463, Unitary symmetry and charge
        conservation
   +Sudarshan, E. C. G. 5=10774, Finite quantum electrodynamics
  Suddaby, A. 5=6151, Transport processes in liquids
```

Suddaby, A. 5=6152, Transport processes in liquids

den, E. M. + 5=6943, Negative resistance in p-type silicon Sudovtsov, A. I. 5=6561. Electronic thermal expansion of Fe emoto, Z. + 5=7666, Spotty appearance of sun emune, Y. + 5=1433, Thermal conductivity of K compounds temune, Y. 5=12312, Thermal conduction in KFeF₃ Sucoka, O. 5=6816, Ag-Al plasma oscillations eoka, O. 5=12632, Plasma oscillation of electrons in LiF Suess, H. E. 5=13227, Krypton and xenon in oceans ëtaka, W. + 5=3030, "Rotational" isomers of C_5H_{10} derivatives Suetin, V. A. 5=10668, System for linear displacements nezawa, Y. + 5=12537, Cracking of polyethylene ngakov, V. I. 5=13014, Excitons and e. m. waves in crystals Sugano, S. 5=6254, M. O. analysis of Fe-group cyanides gar, R. + 5=467, Bounds for multichannel scattering agar, J. 5=5756, Third spectrum of cerium Sugar, J. 5=11196, Nuclear moment of Pr141 Sugawara, A. 5=5634, P^{29} states from S^{32} (p, α) P^{29} gawara, H. 5=443, Model of baryons Sugawara, H. 5=5184, G-Parity and SU₃ ugawara, H. 5=11092, 2 decuplet bosons gawara, M. + 5=3185, Plasma with small oscillations ugawara, M. + 5=14742, Electron probe currents igawara, T. + 5=1617, Resistance of rare-earth metals ugibuchi, K. + 5=4266, N.M.R. in Heusler alloys Sugigami, M. 5=7407, Electroluminescence of ZnTe gimoto, D. 5=4587, He flash in less massive stars Sugita, Y. 5=9294, Expitaxial growth in Germanium-bromine Sugita, Y. + 5=9801, Relaxation in magnetic films
Sugita, Y. + 5=9801, Relaxation in magnetic films
Sugita, Y. 5=12111, Vapour growth of Ge
ugiura, M. + 5=13585, Geomagnetic field line perturbations
Sugiyama, S. 5=8399, NaI response to e*—e* summing
Sugiyama, S. 5=9924, Optical properties of zinc sulfide ugiyama, Y. 5=14174, Measurements of color difference uhami, A. + 5=7409, Pulse shape in anthracene Suhami, A. 5=8423, n-p scattering and emulsions whrmann, R. + 5=1906, Chemisorption and decomposition of H₂O whrmann, R. + 5=9250, Chemisorbed D₂ and H₂ exchange whrmann, R. + 5=9636, Pd electrical properties, H adsorption whrmann, R. + 5=10015, Decomposition of H₂O chemisorbed on Ni Suhubi, E.S. + 5=7749, Nonlinear micro-elastic solids Suiter, J. 5=12415, W grain boundaries Suiter, W. B., Jr. + 5=12948, Flux reversal in ferrite Suits, J.C. 5=1724, Magnetic exchange interactions
-Sujak, B. 5=4725, Excelectron emission from Al
-Sujak, B. 5=7891, Calibration of resistor thermometers
-Sujak, B. 5=8317, Point counter
-Sujak, B. 5=9746, Electron emission into gaseous atmosphere Sujir, M. N. 5=3624, B_s structure in Cu₂In—NI₂In ukennik, P. Ya. 5=36, Sliding friction of rigid sphere Sukhanov, A. D. 5=2452, Heisenberg and interaction representations Sukhanov, A. D. 5=8812, Wave functions of H₂ +Sukharevskii, B. Ya. 5=15061, Effect of defects on thermal conductivity +Sukhodrev, N. K. 5=10634, "Sparks" in laser focussing akhodreva, I.M. 5=1473, Dislocations formed during diffusion +Sukhomlin, E. A. 5=5923, Ohmic heating and conductivity of plasma Sukhovarov, V. F. 5=3764, Cottrell atmospheres in metals +Sukhov, A. M. 5=10927, Pulse time-amplitude analyzer +Sukhovei, A.G. 5=13778, Supercorona during 1959—1963 Sukhovukov, B. I. 5=6737, Strength of polymers +Sulimova, N. E. 5=11000, X- and γ -ray dosimetry Sulimova, N. E. 5=12855, Photomultiplier sensitivity Sullenger, D. B. 5=6381, Preparation of PuO, single crystals -Sulli, R. 5=342, Cyclical fading +Sullivan, A. H. 5=14511-12, Shielding studies in steel. IV-V Sullivan, G. A. + 5=3736, Vacancy concentration in Na Sullivan, H. M. 5=2326, Hollow anode Li lamp +Sulyaev, P. M. 5=8446, Muon capture in He³ Sumbayev, O. I. + 5=15575, Sn K series shift +Sumi, M. 5=8996, Microwave harmonic generation +Sumi, Y. 5=5462, Elastic and inelastic p-He⁴ collisions +Summ, B. D. 5=6684, Adsorption weakening of metals +Summ, B. D. 5=6770, Absorption-induced decrease in metal +Summerfield, G. C. 5=5362, n transport between half-spaces +Summerfield, G. C. 5=8432, One-speed transport theory Summers, A.C. 5=2105, Phase relations in acoustic signals +Summers, A. L. 5=15695, Magnetosphere boundary Summitt,R. + 5=7368, U.R. absorption edge of SnO₂ +Sun Chi + 5=8515, Potential and binding energies +Sun, H. H. 5=1989, Biological feedback control systems

+ Sun' Vei-in | Sun Wei-ying|, 5=3594, Structure of crystals +Sun, W. 5=11526, CO, absorption bands Sun Wei-ying. See Sun' Vei-in. Sundaram, A. K. 5=9020, Plasma jet stability Sundaram, A. K. 5=11749, Stability of self-gravitating system Sundaram, R. + 5=3897, Electronic transport in noble metals +Sundaram, R. 5=3971, Lorenz parameter in Al alloys +Sundaram, S. 5=8866, Substituted methanes. XXXVI +Sunderland, J. 5=4998, Relaxation of Ar laser levels +Sunderland, J. E. 5=7481, Calibrating humidity instruments Sundfors, R. K. + 5=1273, NMR of transition in Si +Sundheim, B. R. 5=7438, Anionic diffusion in K-NH₃ +Sunier, J. W. 5=14497, Decays of Cl³⁶ +Sunier, J. W. 5=14500, Decay of Ba¹³⁹, Ce¹⁴¹, La¹⁴⁰ and Pr¹⁴² Sunyar, A. W. + 5=2557, ½ particles in cosmic rays Sunjan, E. J. 5=8190, X-ray excitation by electrons +Suppiger, E. W. 5=10236, Elasticity, bending of plates Suprunenko, V. A. + 5=5923, Ohmic heating, and conductivity of plasma Süptitz, P. 5=3725, Diffusion of Cu* in Ag Cl and Ag Br. I-II Sural, D. P. + 5=8811, Electron capture by protons Suramlishvili, G.I. 5=3208, Interacting langmuir oscillations +Surányi, P. 5=5210, Fermi interactions +Surget, G. 5=14451, He* disintegration α angular distribution +Surgent, L.V., Jr. 5=6903, Superconducting bridge Suris, R. A. 5=2023. Phase transitions in model Surkov, G.A. + 5=165, Heat conduction with moving boundary Surplice, N.A. + 5=1458, Reducing agents in alkaline-earth oxides +Susanna, A. 5=9649, Superconducting ring current decay +Sushchinskii, M. M. 5=985, Spectra of fatty acids +Sushchinskii, M. M. 5=992, Spectra of pentanes +Sushchinskii, M. M. 5=3022, Stimulated raman radiation Sushchinskii, M. M. + 5=3027, Vibrations of ChCl, and CDCl, +Sushchinskii, M. M. 5=8854, Raman spectra of CHCl₃ and CCl₄ Sushkov, A.D. + 5=240, Nanosecond video pulse generator +Susov, E. V. 5=14053, Magnetic field pulses +Suss, J. T. 5=15490, CaO tetragonal distortion and e. s. r. Susse, C. + 5=11931, Se melting curve Sussman, J.A. 5=6989, Quantum theory of dielectric relaxation +Sutcliffe, H. K. 5=15696, Transequatorial radio echoes +Sutcliffe, H. K. 5=15739, Radar observations of ionisation +Sutcliffe, L. H. 5=8860, E. S. R. in P. M. M. A. -derived radicals +Sutherland, W. L. 5=9926, Zeeman effect in Er-ethysulphate +Suttipongse, T. 5=2703, Asymmetry of cosmic rays +Sutton, H. C. 5=5309, Perspex γ -dosimeter +Sutton, L. 5=9991, Trap depths in ZnS-CdS +Sutton, P. M. 5=10051, Air temperature distributions with +Süveges, M. 5=944, Electrons in molecules Süveges, M. 5=4746, "Clock-paradox" Suvorov, Yu. P. 5=4783, Propagation of elastic-plastic waves +Suzaki, Y. 5=279, Laser oscillations in discharges +Suzuki, A. 5=8356, Synchro-cyclotron beam-pulse stretcher +Suzuki, C. K. 5=10631, Injection laser pump Suzuki, H. + 5=4016, Semiconducting $CdIn_2Se_4$ Suzuki, H. + 5=5921, Charge transfers in polypeptides. I. +Suzuki, H. 5=12773, Reliability of Esaki diodes Suzuki, H. + 5=12518, Sb 121 , 123 n. m. r. in MnNiSb +Suzuki, I. 5=5827, Calculation of force constants +Suzuki, K. 5=4196, Fe_{1.76}Ge single crystal Suzuki, K. 5=6928, Microwave radiation from InSb Suzuki, M. 5=420, W₃ symmetry Suzuki, M. 5=454, Weak interactions Suzuki, M. 5=5416, 2⁺ octuplet Suzuki, M. 5=10820, Baryon e.m. mass differences Suzuki, M. 5=11097, Isoscalar π° resonance Suzuki, M. 5=11117, Nonleptonic decays of hyperons Suzuki, N. 5=2902, Decay rates of He atoms +Suzuki, S. 5=1287, Properties of silicoaluminas. I. Suzuki, S. + 5=7662, Solar radio bursts Suzuki, T. + 5=1529, Frictional force on a dislocation +Suzuki, T. 5=3809, Strain measurement by diffraction +Suzuki, T. 5=6534, U.S. amplification in CdS Švábová, M. 5=3836, Work-hardening of Cd +Svábova, M. 5=9582, Flow stress of zinc +Svanes, T. 5=11154, Cosmic ray storms in 1959 Svanova, M. 5=9390, Temperature factor of Cu-Ni +Svec, H. J. 5=14567, Mass spectrometer ion source Svec, Z. + 5=9977, Luminescence of ZnS: Cu Svechkarev, I.V. 5=1377, Lattice and electron structure of In Svechkarev, I.V. 5=10457, Magnetic susceptibility balance Svechnikov, V. N. + 5=12000, Phase diagram of Cr-Os system

Sun Huei-Ying. 5=3083, Guest-host interactions

```
+Svelto, O. 5=10641, Ruby pump energy absorption
+Svelto, O. 5=8066, Pump energy absorption in ruby
+Svelto, V. 5=5263, Time resolution in scintillation counters
+Svelto, V. 5=14902, Mössbauer effect in FeGe<sub>2</sub>
+Svensson, Å. G. 5=11238, <sup>9</sup>/<sub>2</sub> * state in Lut<sup>175</sup>
+Svensson, L. A. 5=14223, Redetermination of X-unit
+Svensson, O. 5=1350, Three-crystal spectrometer
Sverdlov, L. M. 5=8791, Raman spectra of polyatomic molecules
+Sverdlov, L. M. 5=8854, Raman spectra of CHCl<sub>3</sub> and CCl<sub>4</sub>
Sverdlov, L. M. + 5=11569, Electro-optical parameters of CH3F
+Sverzut, V.B. 5=6649, F- and F-aggregate-centers
+Svetlov, I. L. 5=12098, Growth of sapphire crystals
+Svetlova, L. S. 5=10362, H<sub>2</sub>O boiling heat transfer
Svidzinskii, A.V.+ 5=1621, Theory of fermi-systems
Svidzinskii, K. K. 5=13092, Anisotropy, polarization of luminescence
Svidzinskii, K. K. 5=15585, Luminescence in crystals
Sviridov, D. T. 5=4284, Impurity ion light absorption
+Sviridov, V. 5=8410, p-p scattering from 2 to 10 GeV
+Svirskii, M.S. 5=3914, Electron interaction in crystals
Svishchev, G. M. 5=4281, Luminescence of scattering media
+Svistunov, V. M. 5=6896, Cooper pair tunneling in Sn
Sviszt, P. 5=10021, Darkening of ZnS by light
Svob, L. 5=6594, Na fitting-in in Si
+Svyatova, L. E. 5=13093, Light yields of phosphors
+Swain, J. R. 5=8122, Grazing-incidence spectrometer
 Swalen, J. D. + 5=15487, E. P. R. spectra analysis
 +Swalin, R. A. 5=6619, Precipitates and defects in Ge and Si
 +Swami, M.S. 5=14543, Hyperfragments produced by 3.5 GeV/c
+Swaminathan, S. 5=3621, Structure of AsBr<sub>3</sub>
Swanenburg, T. J. B. + 5=1810, Electron spin system
Swanenburg, T. J. B. + 5=7270, Spin—lattice relaxation by ENDOR Swann, C. P. 5=2741, 7.10 MeV level of Na<sup>23</sup>
 +Swann, D. 5=7973, Generation of ion bursts
 +Swann, P. R. 5=9451, Dislocation dipoles
+Swanson, D.G. 5=3160, Cyclotron radiation from a plasma
Swanson, H.E.+ 5=1357, X-ray diffraction patterns
+Swanson, L.W. 5=1035, Radiation from anodes before breakdown
 Swanson, L. W. + 5=3524, Adsorbed Cs on metals
 +Swanson, L. W. 5=7048, Nottingham effect in emission
Swanson, M. L. 5=3829, Recovery of deformed Al
 Swanson, M. L. + 5=12563, Recovery of deformed Zr
Swanson, R. A. + 5=3741, US study of dislocation motion. II Swanson, T. B. + 5=11912, ESR of FeCl<sub>4</sub> in nonaqueous solution
+Swanson, W. P. 5=2632, Photopion production from H
Swanson, W. P. + 5=11075, Photopion production from deuterium
 +Swarbrick, R. 5=10354, Spectrotor i.r. detector
Swarnagowri, S. + 5=2746, 0* state in Zn<sup>68</sup>
Swarnagowri, S. + 5=14464, 5-levels of even—even nuclei
Swaroop, B. + 5=3652, Crystal structure of ZrCl<sub>3</sub>
Swartz, C. E. 5=14387, Fundamental particles
 Swartz, H. A. 5=2504, Background in liquid scintillation counting
Swartz, J.C. 5=193, Decay rate of signal
+Swartz, J.C. 5=9559, Damping peaks in Fe-0.01%C
 Swartz, P. S. + 5=9650, Superconducting state surface effects
 +Sweeney, M. 5=12871, Magnetic anisotropy of ferrocene
 Sweeney, W. E., Jr. + 5=12023, Intermediate phases of Zr alloys Sweet, R. G. 5=7915, High frequency recording with ink jets
 +Sweetman, D. R. 5=1113, Larmor radius for mirror machines
 +Swenson, C. A. 5=12287, Equation of state for K metal
 +Swenson, C. A. 5=15187, Compression of Tb, Eu, Sc, and MnSn
Swenson, D. A. 5=527, Mura electron accelerator. IX +Swenson, D. A. 5=528, Mura electron accelerator. X
 +Swenson, D. A. 5=529, Mura electron accelerator. XI
 +Swenson, D. A. 5=531, Mura electron accelerator. XIII
 Swenson, D. A. 5=533, Mura electron accelerator. XV
 Swenson, E.M. 5=10091, Reflections in F-region
 Swenson, G. 5=9675, Reactor irradiated p-type Ge
 Swenson, L. W. 5=10918, Charged particle identification system
 +Swiatecki, W.J. 5=707 Centrifugal stretching of nuclei
 +Swieca, J. A. 5=8237, Mass and binding
 +Swięcki, M. 5=631, K*-p scattering
 +Swifka, R. P. 5=3494, Substrate holder
 +Swift, A. R. 5=642, 2\Xi'_{-}-=\Lambda_{-}+\sqrt{3}\Sigma_{0}^{+}
+Swift, C. D. 5=11137, Photomultipliers at high altitudes
  +Swift, C.D. 5=13101, M-shell fluorescence
Swift, D.W. 5=4491, Ring current and auroral substorm
Swift, D.W. + 5=13217, Telluric currents
Swift, D.W. + 5=13552, Magnetic field observations
 +Swift, G.W. 5=12, Differential pressure probe
 +Swiggard, E. M. 5=1703, Photoconduction of B-doped Ge
Swings, P. 5=13702, Visible and i.r. astronomy
```

```
+Switendick, A. C. 5=12608, Electronic band structure
Sworski, T. J. 5=13177, Radiolysis of water
Sy, A. + 5=3232, Plasma gun characteristics
+Sy, A. 5=6013, Plasma jet temperature measurement
Syamalamba, K. + 5=1202, Dielectric dispersion of liquids
Symmatamoa, K. + 5=1202, Diefective dispersion of figures. Sybesma, C. 5=542, \gamma-rays scattered in H<sub>2</sub>O Sychev, V. V. + 5=9655, Superconducting solenoid \lambda-point +Sychugov, V. A. 5=8037, Three-level masers +Sydoriak, S. G. 5=2173, 1962 ^3He scale
Sydoriak, S. G. + 5=4843-6, 1962 He<sup>3</sup> scale of temperatures. I-
 +Syeles, A. M. 5=6386, Growth of TiNi single crystals
 +Sykes, M. F. 5=12884, Ferromagnet critical isotherm
Sykes, M. F. + 5=12884, Ising model of ferromagnet and anti-
       ferromagnet
 +Sylin, G. 5=13843, Negative mechanical birefringence +Symes, E. M. 5=13220, Fission-track ages of micas
Symon, K. R. + 5=529, Mura electron accelerator. XI
+Symons, C.R. 5=2870, Spectra in the ZENITH Pu core 7
+Symons, M.C.R. 5=1188, Solvation spectra. VIII.
 +Symons, M. C. R. 5=11853, Ion pair in metal-NH<sub>3</sub> solutions
+Syms, C. H. A. 5=4243, Fe<sup>3+</sup> zero field resonance in AlCl<sub>3</sub>6H<sub>2</sub>C
Syneček, Y. + 5=1260, Guinier-Preston zones in Al alloys
Syneček, V. 5=1339, Crystal structure analysis Synek, M. 5=5726, Self-consistent field theory
 +Synek, M. 5=11437, Atomic self-consistent field functions. VI
 Synge, J. L. 5=2407, Klein-Gordon model particle
+Synge, J. L. 5=7761, Stationary gravitational fields
 +Syrbu, N. N. 5=15233, Band structure of GaP
 +Syrbu, N. N. 5=15542, Reflection spectra of crystals
Sys, A. + 5=14188, U.V. spectrophotometer system
 +Sysoeva, L. M. 5=4028, Valence band of GeTe
Sytinskaya, N.N. 5=4626, Albedo for lunar surface
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        minerals
  +Syrovatskii, S. I. 5=10159, Direct sources of X-rays
 Syshchikova, M. P. + 5=4786, Formation of shock wave
 +Sÿt'ko, S.P. 5=2614, Neutrons from reaction D(d.n) He³
+Syutkin, N.N. 5=7966, Emitter of field-emission microscope
 Syutkin, P. N. + 5=12005, Fe<sub>3</sub>Si superstructure at elevated
        temperatures
 +Syutkina, V. I. 5=6708, Cu_qAu alloy strain-hardening +Syverson, M. W. 5=1065, Recombination of electrons with NO Szalay, L. + 5=3344, Fluorescence polarization and foreign
        quenching
  Szalay, L. 5=9124, Self-depolarization of fluorescence of solut
  +Szamosi, G. 5=4553, Final state of supernovae
Szaniecki, J. 5=9776, Decoupling in Green function
Szaniecki, J. 5=9777, Spin wave theory
  Szaniecki, J. 5=9811, Ferrimagnetic spin wave theory
  +Szechter, A. 5=2866, Critical assemblies of NPY
  Szelagowski, F. 5=15121, Plane theory of elasticity
  +Szendy, K. 5=10455, Hall effect and M.H.D. generators
  Szent-Györgyi, A. 5=8099, Phosphorescence microscope
  +Szentgyörgyi, P. 5=1652, Electrical conductivity of nickel-
        chromia
  +Szeptycka, M. 5=11119, YY production
  Szigeti, B. 5=11479, Absorption by long-chain substances
  Szigeti, G. + 5=8924, Anode fall of discharges
  Szigeti, G. 5=9982, Electroluminescence of ZnS
  +Szilagyi, Z. 5=13701, Soft X-ray telescope
  Szkopiak, Z. C. + 5=15176, Strain-ageing effects in Nb
  +Szmid, Z. 5=9445, p-bombardment of Si
  +Szöke, A. 5=8769, Optical frequency mixing
  +Szöllösy, L. 5=3344, Fluorescence polarization and quenching
  Szöllösy, L. 5=14854, Quenching of luminescence of solutions
  Szondy, T. 5=2944, Wave functions of molecular systems I. +Szondy, T. 5=5732, Statistical atom model. II
  +Szpikowski, S. 5=435, Quasi-spin in LS coupling
  +Szterk, L. 5=6634, Si surface dislocations
Szymański, A. + 5=5803, Scattering of electrons in rare gas
  Szymański, A. 5=5965, Electron energy distribution in rare g Szymanski, A. + 5=9049, Ar-molecular gas electroluminese
  Szymanski, H. A. [Ed.] 5=14184, Infrared spectroscopy. Vol. 2
   +Szymanski, J. 5=14434, \pi^- p charge exchange
+Szymanski, J. J. 5=5398, \pi^- + p \rightarrow \eta^\circ + n to 1151 MeV
   +Szymanski, J. J. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV +Szymanski, J. J. 5=11019, N_{33}^* (1238), \rho° production
```

Swings, P. 5=15847, Progress in cometary physics

+Szymczak, M. 5=5666, Neutrons due to Ca μ-capture +Szymkowiak, H. 5=13133, Fluorescein—Al luminophores abachenko, A. N. 5=608, s. p waves in π N-scattering bakin, F. 5=2710, Nuclear Hartree-Fock bakin, F. 5=5457, Three-body binding energy baks, K. K. 5=13823, Transformation of potential fields abata, T. 5=10950, Beam position monitor for accelerators abony, R. H. 5=5652, s-, p- and d- wave neutron functions bor, D. 5=10202, Properties of matter achon, J. 5=6023, Confinement time of hot plasma aconis, K. W. + 5=2172, Helium three and four aconis, K. W. 5=6086, Heat conductivity of ³He and ⁴He dić, D. 5=761, β -decay of ¹⁴⁴Pr dic. D. 5=8585, β-decay matrix elements dić, D. + 5=14303, Three-body scattering adokoro, H. 5=1021, Vibrations of polymer molecules. IV. dokoro, H. + 5=11615, Vibrations of polymer molecules. V eger, O. 5=2187, Force diagram of current balance Taeusch, D. R. 5=15832, Variation of lunar atmosphere Cafradjieva, B. 5=8015, Radio waves in ionosphere aft, E.A. 5=4304; Reflectance data for diamond aft, E.A. + 5=15547, Optical properties of graphite raft, H.D. 5=11036, Antiproton-proton interactions ager, A. S. 5=15313, Current fluctuations in semiconductor Tagiev, B. G. 5=6941, Effect of B on conductivity of Se Tagiev, B. G. 5=12747, Electrical conductivity of Se raglang, P. 5=4894, E.S.R. measurement of paramagnetic susceptibility Tagliaferri, E. 5=8314, Time-of-flight counter Tagliaferri, G. 5=14381, Milan AVF cyclotron ragliaferri, G. L. 5=7653, Solar monitoring satellite NRL 1964 1D hir-Kheli, R. A. 5=7100, Properties of Heisenberg ferromagnet Tai, C. T. 5=14097, Plane waves in moving medium Tai Te Wu. 5=2240, Tensorial Green's function Tai Tsun Wu. 5=2240, Tensorial Green's function ai Tsun Wu. 5=2479, Scattering by singular potential ai Tsun Wu. 5=8251, High-energy transfer processes ai Tsun Wu+ 5=11105, CP invariance in K, K° decay Tairova, D. A. 5=4055, Characteristics of SiC p-n junctions Tairova, D. A. 5=15390, Formation of electret state
Tairov, Yu. M. 5=12123, SiC crystal production Tait, D. 5=868, Dounreay fast reactor Tait, J. J. 5=13425, Radiation from meteor trails ait, R. W. F. + 5=170, Thermal conductivities Taitel, Y. 5=4828, Evaporation of drops in liquid nits, N. Yu. + 5=168. Heat conductivity for hollow cylinder Tajima, E. 5=2861, U²³⁸ fission by 55 MeV protons akabayasi, T. 5=413, Particles underlying unitary symmetry akabayasi, T. 5=2622, Particle mass spectrum akabayasi, T. 5=10821-2, Decuplet baryons. I-II akabayasi, T. 5=11057, Mesons and selection rules Takabayasi, T. 5=11058, Mesons and mass systematics akabayashi, T. 5=14267, Baryons and mesons Takać, S. 5=2866, Critical assemblies of NPY Takada, K. 5=15530, Dielectrics X-ray reflection akada, Y. + 5=11033, Quasielastic p—p scattering akagi, F. 5=2483, Meson-baryon scattering amplitudes 'akagi, F. 5=10802, Gell-Mann-Okubo's mass formula Takagi, J. 5=9418, Fission product diffusion in UO₂ Takagi, K. 5=984, Microwave spectrum of formaldehyde Takagi, Y. 5=4273, V-H system H.M.R. Takahashi, H. 5=2861, U^{238} fission by 55 MeV protons akahashi, K. + 5=5583, Decay of Ce^{135} 'akahashi, K. 5=5584, Decay of 2. 2hr138Pr akahashi, K. + 5=11233, Decay of Eu^{1,52}m²
Takahashi, K. 5=12837, Deterioration of solar cells
Takahashi, N. 5=11360, Polarization of protons Takahashi, S. 5=7380, U.V. absorption of substituted p—terphenyls akahashi, T. + 5=735, Isomer Re^{188m} Takahashi, T. 5=1856, Optical properties of ZnO crystals Takahashi, T. 5=3495, "Flash" evaporator akahashi, T. + 5=9809, Magnetic properties of Pd and Pd alloys akahashi, Y. 5=10276, Hamiltonian formalism and field theory Takaki, Y. 5=6423, Fourier analysis of crystal structure akamori, T. 5=6563, Thermal expansion of W oxides Takano, F. 5=1728, Ferro- and antiferromagnetism akano, Y. 5=10219, Spinor field in Finsler spaces Takao, T. 5=13930, Magnetic field on exploding wire Takata, S. 5=9925, W and Hf optical constants akatsuji, M. 5=4330, Harmonic generation in ZnS Takatsuji, M. 5=15535, Laser light optical mixing akayanagi, K. + 5=5843, Excitation of H_2 rotation Takebe, H. 5=8738, Monatomic gas absorption line shapes Takeda, H. 5=1384, Trioctahedral one-layer micas. I.

+Takeda, H. 5=1385, Trioctahedral one-layer micas. II. +Takeda, M. 5=11360, Polarization of protons +Takeda, S. 5=11653, Magnetically confined arc +Takeda, T. 5=7180, Magnetic anisotropy of CoO +Takeda, T. 5=7190, NiO antiferromagnetic domains +Takeda, T. 5=9980, Electroluminescence in ZnS(Mn) films +Takeishi, Y. 5=3930, Electron surface levels in oxygenation +Takeishi, Y. 5=7067, Electrons ejected by ions
Takeishi, Y. + 5=7068, Auger electron ejection from nickel
+Takekoshi, H. 5=14901, Fe⁵⁷ Mössbauer effect in UO₂ Takeno, H. 5=4744, Spherical space-times Takeno, S. 5=15028, Resonant mode in lattice vibrations +Takenoshita, Y. 5=13593, Polar pre-S.C. and h.f. radio propaga-+Takeshita, S. K. 5=13011, V^{51} in V_2O_3 n. m. r. +Taketani, M. 5=15781, Extra-galactic cosmic rays +Taketani, M. 5=15820, Star-like objects +Taketani, M. 5=15821, Galaxy evolution diagram +Takeuchi, N. 5=6650, Coloration of Na-silicate glass +Takeuchi, N. 5=15109, Multi-colors in glass plate +Takeuchi, S. 5=14988, "Gonio-microscope" for metallurgy Takeuti, M. 5=4576, Nonadiabatic pulsation of a star Takeyama, H. 5=13844, Rotating discs. I Takeyama, H. 5=13905, Determination of frequencies of vibration +Takeyama, T. 5=1897, Hydrogen-oxygen reaction kinetics Takibaev, Zh.S. + 5=2564, Production of heavy particles +Takibaev, Zh.S. 5=5285, Ionization losses in emulsions +Takibaev, Zh. S. 5=5338, 19.8 GeV/c p's in emulsion +Takimoto, K. 5=2814, Be 9 and B 10,11 (p, α) and (d, α) +Takishima, Y. 5=4038, Field-effect in Si surfaces +Taksar, I. 5=910, Na atom calculation Takserman-Krozer, R. 5=6128-9, Motion of macromolecular solutions. I-II. Takuma, H. + 5=14149, Stimulated Brillouin scattering +Takuma, H. 5=14150, Detection of Brillouin scattering Talapatra, S. K. 5=6497, Crystal structure of pyrocatechol Talashkevich, I. P. + 5=1510. Poisson ratio of uniaxial textures +Talat, G. Kh. 5=15336, Field effect on Si +Talbot, D. 5=12048, LaF₃ films structure +Tallan, N. M. 5=12156, Microstructure of zirconia +Tallan, N. M. 5=12635, High-temperature transference number +Tallan, N. M. 5=15346, ZrO₂ electrical and defect properties. I +Tallini, B. 5=11119, YY production +Tallman, R. L. 5=9272, H_2O vapour as Si etchant +Talman, R. M. 5=5430, γ -production of the ρ° +Talmi, I. 5=14479, Energy levels in Zr region +Talpe, J. 5=4225, Permalloy ferromagnetic resonance +Talpe, J. 5=7197, Spin wave resonance in permalloy films Tal'roze, V. L. + 5=10027, Radiolysis by fast electrons +Talukdar, A. N. 5=9361, Crystallographic data of Di (o-phenyl azophenyl) disulphide and pyridine picrate Talukdar, N. + 5=1342, Optical Fourier synthesis +Taluts, G. G. 5=6424, X-ray scattering in metal model Talwar, S. P. 5=13338, Stability of magnetospheric boundary Talmi, I. 5=695, Shell model spectra Tálský, A. 5=1039, Resistance of torch discharge +Talyzin, V. M. 5=14055, Pulsed magnetic fields +Tam Hao-yen. 5=6482, Polytypes in SiC Tamagake, K. 5=989, Inversion in methylamines Tamagaki, R. + 5=11186, Triplet odd state Tamagusuku, S. + 5=9312, Structure of oxidised Ag-Cd +Tamai, E. 5=14454, H nuclei in primary cosmic rays +Tamamura, S. 5=11920, Particle size of synthetic lattices Tamarkin, P. 5=13483, Effects of neutrons from high detonations Tamao, T. 5=5986, Hydromagnetic waves in cold plasma +Tamaszewski, A. 5=8499, High-energy nuclear jets Tamate, O. + 5=13841, Deflections of annular plates
Tamate, O. + 5=13842, Bending of partially loaded plates Tambovtsev, D. A. + 5=10443, Bipolar pulse generator Tambovtsev, D. A. 5=12805, Pulse polarization in triglycine sulfate +Tamoikin, V. V. 5=14038, Inhomogeneous media space dispersion +Tamura, H. 5=2184, Micro-element resistors +Tamura, M. 5=7932, Conductivity enhancement in m. h. d. generation +Tamura, T. 5=5638, Proton bombardments and states in Ba¹³⁰ Tamura, T. 5=8599, Decay of ¹⁶⁷Yb
Tamura, T. 5=8627, Calculations of the scattering of protons +Tamura, T. 5=8631, Vibrational states of 126Te Tan' Vei-khan'. [T'an Wei-han]. 5=10660, Optical images Tan' Veĭ-Khan'. [T'an Wei-han]. + 5=10661, Resolution of optical images T'an Wei-han. See Tan Kei-khan'.

```
+Tanabe, K. 5=385, Bogoliubov transformation
Tanabe, K. + 5=5184, G-Parity and SU<sub>3</sub>
+Tanabe, Y. 5=9911, Ni<sup>2+</sup> electron structure in Mg[Zn]F<sub>2</sub>
Tanaka, K. 5=5432, Boson poles in K and \eta decays
Tanaka, K. 5=12643, Longitudinal magnetoresistance of Bi Tanaka, K. + 5=12716, Magnetoelectric anisotropy in Sb
Tanaka, K. + 5=15118, Damages in LiF
Tanaka, M. + 5=15470, Antiferromagnetic spin waves
+Tanaka, M. 5=15478, Theory of magnetic relaxation. III
+Tanaka, S. 5=418, U(4) symmetry of strong interactions
+Tanaka, S. 5=10788, Broken U(4)-symmetry
Tanaka, S. 5=10817, SU(3) symmetry
Tanaka, S. 5=11323, Neutron scattering by Al, Si, P, S, Zn
+Tanaka, S. 5=5635, Na<sup>24</sup> formed by irradiation of elements
+Tanaka, T. 5=6476, Palladium containing absorbed hydrogen
+Tanaka, T. 5=7102, Spin-¼ Heisenberg ferromagnet
+Tanaka, T. 5=12722, Piezoresistance of CdSb
+Tanaka, Y. 5=1271, Precipitation of zirconia in ceramics
+Tanaka, Y. 5=2695, Pulse height telemetry
+Tanaka, Y. 5=2974, Absorption spectrum of N, +Tanaka, Y. 5=2973, Isotope shift of N, absorption bands
+Tanaka, Y. 5=7507, UV absorption of N_2 and O_2 Tanaka, Y. 5=8919, N_2 afterglow absorption +Tanaka, Y. 5=8923, He continuum afterglow
 +Tananko, I. A. 5=1253, \epsilon-phase in Fe-Al-C alloys
 +Tanatarov, L. V. 5=6665, Metal rod changes during trans-
      formations
 Tandberg-Hanssen, E. 5=15894, Quiescent prominences
+Tandon, K. 5=8897, Dissociation energy of diatomic molecules
 Tandon, J. N. 5=13765, Formation of solar M-region
 +Tandon, S. N. 5=13686, Neutrino degeneracy in universe
 +Tandon, S. P. 5=1186, Ultraviolet absorption of ions
 +Tandon, S. P. 5=6187, U. V. absorption of inorganic solutions
Tandon, S. P. + 5=8897, Dissociation energy of diatomic molecules
 Taneda, Y. 5=6372, Recrystallization of pure iron
 +Tanemura, S. 5=10954, Particle trajectories in acceleration
 Tang, C. L. + 5=14145, Anti-Stokes radiation in Raman processes +Tang, J. 5=5903, Effect of solvents on F<sup>19</sup> spin-spin coupling
 T'ang Shu-sun + 5=1269, Polygonisation in Mo
 +Tang Yi. 5=9901, Strain splittings of CuO bands
  +Tang You-chi. 5=7260, E.S.R. of Na<sub>2</sub>O-V<sub>2</sub>O<sub>5</sub>-P<sub>2</sub>O<sub>5</sub>
 +Tangerini, I. 5=6335, Systems Ge<sub>2</sub>S-Sb<sub>2</sub>S<sub>3</sub> and GeS<sub>2</sub>-As<sub>2</sub>S3.
 +Tani, B. 5=6477, Rare earth—cadmium alloys
+Tani, S. 5=8271, Orthogonality constraint and collisions
 Tanifuji, M. 5=831, Deuteron stripping reactions
 +Tanimura, Y. 5=568, p + p \rightarrow d \times \pi^+ at 990 MeV
 +Taniuti, T. 5=11757, Alfvén wave instability
 Tankin, R. S. + 5=1092, Radiation from Ar plasma
 +Tannenwald, P.E. 5=1416, Acoustic attenuation in quartz
  +Tannenwald, P. E. 5=2305, Raman emission to ruby beam
  +Tanner, D. J. 5=11837, Viscous flow between cylinders
  +Tanner, J. E. 5=4982, Spin diffusion measurements
  +Tanner, L. N. 5=7824, Frequency response of mechanical
       systems
  Tanner, N. W. + 5=5608, Neutron groups from O^{16}(\gamma, n)O^{15}
 Tanner, N. W. 5=8636, Ne^{21}(p, \gamma)Na^{22} and Ne^{21}(a, n)Mg^{24} reactions
 Tanner, W.P. + 5=136, Tone deafness
 Tannhauser, D.S. 5=6830, Conductivity of magnetite
  +Tannhauser, D. S. 5=6283, Phase diagram of cobalt monoxide
 +Tanon, A. 5=12012, Pu \delta \rightarrow \gamma transformation
+Tansal, S. 5=6536, Magnetoacoustic oscillations in Bi
 +Tantry, B.A.P. 5=1669, Alloy junction A. F. transistors
  Tao, S. J. + 5=12633, Positron lifetime in polymers
  Taoka, T. + 5=14988, "Gonio-microscope" for metallurgy
 +Tapu, C. 5=815, Capture cross section of graphite
  +Tapu, C. 5=876, Automation for reactors
  +Tar, D. 5=15385, Dielectric properties of boracites
  +Taran, N. M. 5=11945, Condensation mechanism of ionic
       compounds
  +Taran, Yu. V. 5=5356, n polarization by polarized p's
  +Tarasov, B. V. 5=7093, Magnetic properties of glasses
 Tarasov, N.D. 5=6746, Physical properties of niobium
  +Tarasov, Yu. A. 5=11701, Spectral lines in plasma
+Tarasova, L. V. 5=5124, Hard component from X-ray tube
  Tarantin, N. I. + 5=14572, Magnetic spectrometers
  Tare, V. B. + 5=9670, Conductivity in rare earth oxides
  Tareeva, E. E. 5=9639, Theory of superconductivity
  +Targ, R. 5=5001, F.M.He-Ne laser
Targ, R. + 5=10600, Laser frequency translation
  +Targ, R. 5=10678, Generation of single-frequency light
```

```
Tarjanne, P. 5=2420, Mass formulas for SU(4)
Tarpinian, A. 5=9271, Etching of pyrolytic graphite
+Tarrago, X. 5=5639, Au, Bi, and Th bombarded by protons
Tarski, J. 5=5159, Two-dimensional field theory
Tarte, P.+ 5=4325, Ag[Hg]NO<sub>2</sub> i.r. spectrometry
+Tarui, Y. 5=6592, Impurity diffusion in Si
Tasaki.A.+ 5=1745, Memory phenomenon of \alpha-Fe<sub>2</sub>O<sub>3</sub> Tashiro, M. + 5=9551, Properties of glass-ceramics
Tasi, J. 5=1541, Thermoelastic dissipation of quartz
Tassie, L. J. + 5=7743, Gauge-independent theory of symmetry.
Tasso, G. + 5=11753, Instability of plasma
 +Tatarczyk, H. 5=5966, Metastable molecule ions
+Tatarov, Z. I. 5=6789, Scattering in Ge and Si
Tatarskii, V. B. 5=6345, Morphology of Fe-Y garnets
+Tatarskii, V. I. 5=14038, Inhomogeneous media space dispersional trate, P. A. 5=5274, Fluorometer for chemical dosimetry
+Tatevskii, V. M. 5=2995, Vibrational spectra of C<sub>3</sub>O<sub>2</sub>
+Tatevskii, V.M. 5=3005, Infrared spectrum of F,NNF2
 +Tatevskii, V. M. 5=3025, Vibrational spectra of 1, 3-butadiene-
+Tatevskii, V. M. 5=8857, Raman spectrum of cyclopentene
Tatsumi, T. + 5=3249, Stability of free boundary layer
 +Tatsumoto, E. 5=7150, \Delta R effect in magnetic thin films +Tattersall, H. G. 5=9443, Bend zones in MgO
Tattersall, R. B. + 5=879, Reactivity change in HECTOR
+Taub. I.A. 5=4381. H radical reaction with aromatics
+Taubenheim, J. 5=1949, Ionozpheric D-region
 +Taubenheim, J. 5=1951, Ionization of the E-layer
 +Taubenheim, J. 5=4502, Electron density in F-region
 +Tauber, J. A. 5=6408, Microstructure of chromite-periclase
 Tauffenbach, H.J. 5=507, Equipment at Reaktorstation Geesthach
 +Tausend, A. 5=12833, Mobility of illuminated Se
 +Tavendale, A. J. 5=2577, Li-drift Ge \gamma-ray spectrometers Tavendale, A. J. 5=5308, p-i-n diode \gamma-spectrometer
 Tavernier, J. + 5=4759, Quantum theory of nonisothermal
       phenomena
 +Tavernier, J. 5=15217, InSb electron-phonon coupling
+Tavger, B. A. 5=9586, Electron-phonon scattering in films
 Tavger, B. A. 5=12598, Energy bands in semiconducting film
 +Tavira, P. 5=1450, Imperfections in a crystal
  +Tavkhelidze, A. N. 5=5213, Relativistic three-body problem
  +Tayler, R. J. 5=10114, Cosmic helium abundance
  +Taylor, A. E. 5=14441, K_2^0 \to \pi^+ + \pi^- decay
  +Taylor, D. J. 5=11870, C2H6 and N2O density and surface tension
  +Taylor, H. 5=13376, Geophysical studies. IV.
 Taylor, H.W. + 5=2777, Decay of Ag10
 Taylor, H. W. 5=15861, \gamma emission from Peace River meteorite Taylor, J. B. + 5=9325, Properties of \alpha and \gamma As
  Taylor, J. B. + 5=11747, Plasma in magnetic well
+Taylor, J. B. 5=11758, Instability of plasma
  Taylor, J. G. 5=2390, Analyticity of field theory Taylor, J. G. 5=5161, Field equations
 Taylor, J. H. + 5=7679, Infrared observations of corona +Taylor, J. M. 5=14523, Al<sup>27</sup>(\gamma, n)Al<sup>26m</sup> cross section Taylor, J. R. 5=2485, Unitarity, hermiticity and discontinuity
  Taylor, L. H. + 5=1404, Three-phonon interactions. I.
  +Taylor, L. H. 5=1405, Three-phonon interactions. II.
  Taylor, L. H. 5=3523, Adsorption of Cs on metals
   Taylor, L.S. 5=14729, Radio waves in magnetoplasmas
  Taylor, L.S. 5=14733, Radio scattering by plasma
+Taylor, M. 5=5040, Color of fiber blends
  Taylor, M. J. + 5=273, Lasers with spherical mirrors
Taylor, M. T. 5=9610, Cyclotron resonance with helicon waves
   Taylor, N. J. 5=3537, Oxygen on tungsten
   Taylor, N. K. + 5=583, Co as neutron flux monitor
  +Taylor, R. E. 5=1426, Thermal expansion of U2C,
   Taylor, R. E. + 5=4837, Thermal diffusivity measurement
   Taylor, T. D. 5=6073, Transient gas flows
   +Taylor, T. I. 5=986, Rotational motions in organic molecules
   Taylor, T. T. 5=7956, Electrodynamic paradox
Taylor, W. + 5=12485, Tensile deformation in Be
   + Tchernev, Ch. 5=2644, π<sup>-</sup>-p Scattering
+Tchernev, Kh. 5=8410, p-p scattering from 2 to 10 GeV
   Tea, P. L., Jr. 5=13975, Radiation pressure
   +Teal, J. D. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV
   +Teal, J. D. 5=11019, N_{33}^* (1238), \rho^\circ production +Tebble, R. S. 5=9771, Magnetic susceptibility of Gd-Lu
   +Tebble, R. S. 5=12981, Gd ions in metals e. s. r.
   Tedmon, C.S.Jr. + 5=6876, Superconductivity of Nb Tedmon, C.S., Jr. + 5=12679, Superconducting niobium
   +Tedmon, C. S., Jr. 5=12868, Irreversible magnetization of
         superconductors
   Tedrick, R. N. 5=2106, Tests of rocket engines
```

Tedrow, P. M. + 5=2179, Quadruple point of He³-He⁴

```
'eegarden, K. 5=4358, Spectra of KI:Tl at 12°K
er, K. 5=152, Audibility of phase errors thon, S. W. + 5=9375, Microwave acoustics
eich, H. 5=8916, Discharge in oxygen
eich, M. C. + 5=9752, Na photoelectric emission
Ceichmann, J. 5=1111, HF sealing of magnetic trap
reiger, J. 5=10929, Coincidence circuits and discriminators
reiger, J. 5=11091, \pi-p elastic scattering
eipel, I. 5=10522, Magneto-fluid dynamics
Tejera, R. A. 5=5022, Construction of ruby laser ejera, R.,A. + 5=5628, Li<sup>7</sup>(p, \alpha)He<sup>4</sup> reaction
ejora, A. + 5=5253, Calibration of ionization chamber
Tekaat, T. 5=8937, Appearance potential of molecular fragments
ekiz, Y. 5=6428, Method of analysing diffraction rays ekiz, Y. 5=64773, Grinding on zinc ozide
Telegdi, V. L. 5=14625, Muonic X-ray spectra
Telegina, I. V. 5=3770, Structure of pentaery-thritol
elegina, I. V. + 5=9469, Kinetics of dislocations in LiF
elegina, I. V. + 5=9469, Kinetics of dislocations in Lirelesnin, R. V. + 5=1753, Magnetic reversals in permalloy elesnin, R. V. + 5=7147, Anisotropy in uniaxial films elesnin, R. V. + 5=9805, Properties of permalloy films
releshin, R.V.+ 5=3000, Floperties of permatloy films elesnin, R.V.+ 5=15457, Magnetic reversals of permatloy films Telenkov, V.V. 5=10941, Spark chamber
elford, J.W. + 5=4456, Heat and vapor in atmosphere
elford, J.W. + 5=4467, Cloud droplet collisions
Tel'kovskii, V. G. 5=8983, Plasma ion energy analyser
ell, B. 5=1414, Piezoelectric ultrasonics in CdS
Tel'nov, Yu. Ya. 5=5304, Compton effect on moving electrons
-Tel'nov, Yu. Ya. 5=10919, Count-rate meter
Tel'nov, Yu. Ya. 5=12858, Supply conditions for photomultipliers
Teloy, E. 5=9069, Gas absorption by excitation
Tel'tsov, M. V. 5=1345, Soft radiation in equatorial region
Tel'tsov, M. V. 5=13347, Radiation at 200-400 Km
Temiraliev, T. 5=5338, 19.8 GeV/c p's in emulsion
Temkin, A. + 5=8798, Wave, theory of molecules. II
Temkin, A. 5=14578, Two-electron, fixed-nucleus problem
FTemkin, A. 5=14632, Decomposition of Schrödinger equation
FTemmer, G. M. 5=5628, Li'(p, α)He<sup>4</sup> reaction
Tempé, J. 5=5884, Infrared absorption of ring compounds
Tempest, W. 5=150, Quiet thresholds
+Tempest, W. 5=6089, Absorption of sound in air
+Tempest, W. 5=6172, Sound absorption in O2-H2O mixtures
+Temple, W. J. 5=7239, Malonamide and glycine e.s.r.
Templeton, D. H. 5=1389, Crystal structure of Na fluosilicate
Templeton, D. H. 5=6495, Crystal structure of ferrichrome A
Tendys, J. 5=11742, Instability and compressibility of plasma
l'êng Chi-Wên. 5=7458, Diffraction waves
Feng, L. C. 5=2554, High intensity proton accelerators +Tenner, A. G. 5=8336, Star measurement in emulsions +Tenner, A. G. 5=8474, K^-P \rightarrow K^*N and KN^* at 3 \text{ GeV/c}
Tenore, A. + 5=10977, y-d Scattering and N polarizability reodorescu, I. E. 5=515, Resonant accelerators
Teodorescu, I. 5=518, Cyclotron high frequency
Tepley, L. + 5=13599, Sub-e.l.f. emissions in magnetic storms
Tepley, L. 5=13604, Fine-structured hydromagnetic emissions
replitskaya, R. B. 5=4670, Excitation temperature in solar atmo-
    sphere
Teplitskaya, R. B. + 5=4671, Composition of solar atmosphere
Teplitz, D. C. + 5=5403, \pi = \pi N/D strip approximation
+Teplitz, V. L. 5=2647, Small-momentum-transfer scattering
Teplitz, V. L. 5=5212, N/D equations in strip approximation
+Teplitz, V. L. 5=5403, \pi-\pi N/D strip approximation
+Teplitz, V. L. 5=5215, Strip approximation
Teplov, I. B. + 5=14551, C^{12} (\alpha, p_n) N^{15}, 16 to 26 MeV
+Teplyakov, P.O. 5=3345, Phosphorescence of solutions
+Ter-Akopyan, G. M. 5=5579, Proton decay nuclei
+Ter-Akopyan, G. M. 5=8581, Proton decay, Z>50
Terán, M. C. + 5=5757, Lowest state of chlorine atom
Terao, K. + 5=3407, Boiling
+Terenin, A. 5=4118, Photo-response in semiconductors
+Terenin, A. N. 5=8850, Spectra of benzene ions
Terao, K. 5=7431, Methane—air flame
Terao, K. 5=13986, Flame temperature measurement
Terao, N. + 5=6306, Transitions and structure of Nb oxides
+Terekhin, D. K. 5=229, Magnetron with emitting cathode
```

```
+Terhune, R. W. 5=12936, Spin wave spectra in Permalloy
+Ter-Martirosyan, K. A. 5=5602, Quasi-elastic shower processes
+Termartirosyan, K. A. 5=8273, Remark on high energy scattering
+Ter-Martirosyan, K. A. 5=8275, Inelastic process amplitudes
ter Maten, G. 5=3017, Atomatic hydrocarbon triplets
+Terminasov, Yu. A. 5=12490, Fatigue of copper
+Ternstrom, U. 5=3098, Penning discharge instabilities
Terol, S. + 5=9965, Luminescence of Zn borate
 Terpilovskii, D. N. 5=14852, Radiationless transitions for Tb3+
 Terrée, P. + 5=14976, Preparation of crystals of HgS
Terrell, J. 5=13699, Quasi-stellar diameters and intensity
Terrill, R. M. + 5=4939, M.h.d. flow through porous channels
 +Terry, J. C. 5=6301, Onset of martensitic transformation
+Ter-Sarkisjan, G. S. 5=9131, Fluorescence of solution of polyenes
 +Tersawa, T. 5=11311, Scattering of p by nuclei
 ter Vrugt. J. W. 5=15525, Optical properties of powder layers
 Terzan, A. 5=13717, New variable stars
 +Terzi, N. 5=6237, H radius in alkali halide crystals
 +Terzi, N. 5=15036, Impurities in alkali-halide crystals
 +Tête. A. 5=7003. Dielectric constant of crystalline powder
 Tetel'baum. B. I. + 5=10580, N.M.R. spectrometer
 +Tetel'baum, D. I. 5=12733, Surface layers of n-Ge Tetelman, A. S. + 5=9562, Crack growth in Fe-3%Si
 +Teucher, M.W. 5=595, Antiproton-proton interactions
Teucher, R. 5=5120, Primary process of colour vision
 Teuchert, E. 5=11472, Deformation of Thomas-Fermi atom by
        potential
 +Teumin, I.I. 5=1302, Sensitivity of metals to ultrasonics
 Teumin, M. I. + 5=10748, Sharp focused X-ray tube
Teutonico, L. J. 5=9452, Dislocations in f. c. c. crystals
 Tewari, D. P. + 5=2271, Acoustic saturation of n.m.r. lines
Tewari, D. P. + 5=9084, Spin-lattice relaxation in water
  Tewordt, L. 5=12660, Ginzburg-Landau theory
 Teyssier, J.-L.+ 5=6097, Excitation in rare gases
Thackray, M. 5=3397, Melting points of sulphur
  +Thaler, R. M. 5=11023, Nucleon-nucleon scattering
  +Thaler, R. M. 5=11030, p-\alpha scattering at 40 MeV
  +Thaler, R. M. 5=11285, Charged particle scattering
  Thaler, W. J. 5=2292, Modulation of He-Ne laser beam
  +Thambyahpillai, T. 5=14456, Cosmic ray intensity underground
  Thanh Van, J. Tran. See Tran Thanh Van, J.
  Thankappan, V. K. + 5=11226, Low-lying Cu<sup>63</sup> levels
  Thaxter, J. B. + 5=1416, Acoustic attenuation in quartz +Theard, L. M. 5=10031, \gamma-irradiated alkylbenzenes
 Theard, L. P. + 5=4388, Heat of formation of Be<sub>2</sub>O(g) +Theeuwes, F. 5=3406, Vapour pressure of methane +Theeuwes, F. 5=6218, Vapour pressure of liquid argon
  Theimer, O. 5=10722, Laser beam scattering by gases
   +Thellier, E. 5=13617, Furnace for paleomagnetism
  +Thekaekara, M. P. 5=2910, Analyses of Y spectra
+Theobald, J. G. 5=4983, Bloch—Siegert effect in "rotatory
   +Theobald, J.G. 5=7207, Electron spins in radiofrequency field
Theodossiou, A. 5=9681, Pyrrhotite Hall effect and resistivity
  +Theophilou, A. 5=8429, Neutron spectrum
+Theuerer, H.C. 5=1629, Superconductivity in Cu and Pt
  Thevenet. B. + 5=615. Pion-nucleon spectroscopy
+Thibaudier, C. 5=1569, Effective potential method
+Thibault, R. J. 5=956, Spin-orbit coupling of NO
+Thibault, R. J. 5=973, Spectra of C<sub>2</sub><sup>2</sup>H<sub>2</sub>, C<sup>2</sup>C<sup>13</sup>H<sub>2</sub> and C<sub>2</sub><sup>13</sup>H<sub>2</sub>
+Thibault, R. J. 5=11509, Infrared-emission of HBr
   Thielemann, W. 5=8058, Crystal laser self-heating
   Thielens, G. J. + 5=6112, Toepler pump and microvolumetric
         device
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+Tottle, C. R. 5=11992, Sodium-uranium-oxygen system
Touchard, J. 5=705, Diagonalization of quadratic type
Toulis, W. J. 5=10329, Acoustic-backing for transducers
Tourin, R. H. + 5=11808, Hot gas temperature profiles
Tournarie, M. 5=4719, Optimized smoothing
Tournier, R. + 5=9824, Magnetic properties of Au-Fe
+Tournier, R. 5=12292, Specific heat of Fe-Au
+Tournier, R. 5=12959, Superantiferromagnetism of dilute Fe-Cr
+Tournier, R. 5=12961, Magnetic properties of steel
Tournier, R. + 5=15472, Discontinuities in magnetization below 1°K
Tournois, P. 5=2113, Love waves
+Touschek, B. 5=8397, Stored et and e interaction
+Touschek, B. 5=11183, Scalar mesons and nuclear coupling
Tousey, R. 5=13769, Lyman alpha line in space
Toutenhoofd, W. 5=11219, Two levels of F17
Tovstyuk, K. D. + 5=3912, Band symmetry in crystals
Tovstyuk, K. D. + 5=12873, Magnetic susceptibility of PbSe
+Towle, J. H. 5=8422, Multiple scatter corrections
+Towle, J. H. 5=8640, Monte Carlo scatter corrections
+Towle, J. H. 5=11325, Fe<sup>56</sup> neutron scattering
Towle, L. C. 5=15145, Shear strengths of solidified gases
+Townes, C.H. 5=3340, Brillouin scattering in liquids
+Townes, C. H. 5=6533, Brillouin scattering and u. s. generation
+Townes, C. H. 5=10601, Self-trapping of optical beams
+Townley, C. W. 5=12339, Diffusion in UC
Townsend, A. A. 5=10077, Stellar shadow-bands
+Townsend, J. 5=2195, Gated integrator
+Townsend, J. 5=7286, Na metal nuclear enhancement Townsend, J. R. 5=12453, Double-force displacement fields
Townsend, M. G. 5=4255, E.S.R. of Rh II in ZnWO<sub>4</sub>
Toxen, A. M. + 5=6536, Magnetoacoustic oscillations in Bi
Toyoda, T. 5=2439, Interpretation of SU(n)
+Toyoda, T. 5=10840, Weak interactions
Tozer, B. A. 5=11657, Gas ionization by lasers
Tozer, D. C. 5=13191, Thermal history of Earth I
Trabka, E.A. + 5=345, Pattern recognition
Trabka, E. A. 5=10729, Wiener spectrum of scans
+Tracey, P. W. 5=7987, Magnetogasdynamic flow: comments
Traetteberg, M. + 5=8787, Electron diffraction structure studies
Traetteberg, M. 5=11575, Peri-bonds in perylene
Trafton, L. M. 5=7634, Thermal opacity of major planets
+Tragov, A. G. 5=14110, Periodically cellular waveguides
Traibus, M. + 5=13888, Probability foundations of thermodynamics
+Trail, C.C. 5=932, X-ray spectrum of muonic atoms
+Trail, C. C. 5=5625, (p, n) reactions on nuclei
+Trail, C. C. 5=14625, Muonic X-ray spectra
Trainor, J. H. + 5=13345, Neutron albedo measurements
Trajmar, S. + 5=5869, (\nu_1 + \nu_3) band of ozone
+Tran, A. H. 5=2655, π Interaction on nuclei
Tran Thanh Van, J. 5=646, D wave function, e-D scattering
+Tran Thanh Van, J. 5=647, Photodisintegration of D. II +Tran Thanh Van, J. 5=5336, p + p \rightarrow d + W^{+} reaction
+Tran Van Hiep. 5=8018, Extraction of signals from noise
Trandafir, N. 5=13181, Spectro-nomograph chart
Trapenznikov, A. A. + 5=11943, Monolayer and evaporation of
     water
```

```
Trappeniers, N. J. + 5=14668, Spin-lattice relaxation in methanes
+Trasatti, S. 5=1909, Anodic behavior and passivity
Trass, O. + 5=2099, Single pulse shock tube
+Trautmann, H. 5=2549, Electric field in cyclotron
Travena, D. H. 5=11950, Cluster sum β,
+Traving, G. 5=7594, Differential curves of growth
Traving, G. 5=13713, Spectra in turbulent stars
+Travis, D. N. 5=11603, Free radicals in photolysis
+Tredgold, R. H. 5=6817, Space charge injection
+Tredgold, R. H. 5=15389, Electrical conductivity in SrTiO<sub>3</sub>
+Trefilov, V.I. 5=3825, Temperature of cold brittleness
+Trefilov, V.I. 5=4162, Cr alloy susceptibility
+Trefilov, V. I. 5=11993, \beta-phase of Ti alloys
+Trefilov, V. I. 5=11994, \omega-phases of Ti alloys
+Trefilov, V.I. 5=14963, Shape of twins in metals
+Trehan, P.N. 5=14482, Spin assignment of Au<sup>197</sup>
+Treherne, D. M. 5=7322, Optical constants of Al and In
+Treiman, S. B. 5=2480, Ladder graph models. II
+Treiman, S. B. 5=10857, Bethe—Salpeter amplitudes
+Treiman, S. B. 5=11708, E. M. radiation scatter from plasma
Treiner, C. + 5=5912, Dipole association
Treiner, C. + 5=11902, Conductance of alkali halides. X.
Treinin, A. + 5=1189, Spectra of halate ions in solution
+Treinin, A. 5=5865, Spectrophotometric study of L<sub>2</sub> + Br
+Tremmel, J. 5=6266, Sintering of tungsten rods
Treneva, S. N. 5=14066, Pulse electron gun
Treptow, H. 5=9975, Temperature dependence of ZnS emission
+Tresselt, D. 5=4405, Flash apparatus for photochemistry
+Trester, S. 5=9743, Photovoltages in Ge layers
+Tretiakova, S. P. 5=5812, Isotope 104<sup>260</sup>
+Tret'yakov, Yu. P. 5=10506, Cyclotron source of Ne ions
+Tretyakova, M. I. 5=5339, \gamma production by 18.7 GeV p's in
     emulsion
+Tret'yakova, S. P. 5=8685, Synthesis of element 104
+Tret'yakova, S. P. 5=10944, Radiography of nuclear fission
+Treusch, J. 5=1573, Energy bands of crystals
+Treusch, J. 5=6805, B band structure
Trevena, D. H. 5=2102, Stress pulses across liquid-steel
+Trevena, D. H. 5=3312, Critical tension of liquids
Trevena, D. H. 5=6167, Entropy of monomer—dimer mixing Trevena, D. H. 5=9076, Stress waves in liquid
Trevena, D. H. 5=9077, Stress waves in liquids
+Treves, D. 5=7155, Coercivity in orthoferrite crystals
+Trévoux, P. 5=13174, Electrolytes based on AlLaO<sub>3</sub>
+Trias, J.A. 5=5025, Laser action in europium chelates
+Trias, J. A. 5=10610, Eu-chelates solution lasers
Tribiahn, R. 5=15509, E. P. R. of ZnS phosphors
Trickett, B. 5=9068, Cold trap design
Trickett, E. A. + 5=6631, α-SiC dislocation decoration
Tricoles, G. + 5=14120, Guided waves in dielectric
+Triebwasser, S. 5=15337, Scattering in Si inversion layers
Trifonov, E. D. 5=1822, Band shape of optical spectra
+Trifonova, G. I. 5=7490, Brightness indicatrices
+Trifonova, G. I. 5=13269, Brightness variation to 17.5 km
Trigunayat, G. C. + 5=9276, Growth of cadmium iodide
+Trill, D. 5=2137, Larynx-excitation spectra
Trilling, L. 5=1147, Solution for Rayleigh shear flow
Trilling, L. 5=9029, Dynamics of thermally radiating gas
 +Trimpi, M. 5=13449, Triggered v. l. f. from ionosphere
Trinkler, M. F. 5=9956, Inner-centre fluorescence in KCl: Pb
+Tripathi, K. 5=15205, Doping of Bi<sub>2</sub> (Te, Se)<sub>3</sub>
Tripathi, K. 5=15206, Doping properties of Bi<sub>2</sub>Te<sub>23</sub>Se<sub>0.7</sub>
+Tripp, R.D. 5=643, S=-2 barvon systems
+Tripp, T.B. 5=9706, Oxide films on Ta
+Tripp, W. C. 5=15346, ZrO_2 electrical and defect properties. I
 +Trivedi, N. B. 5=13592, H and equatorial electrojet
+Trivedi, R. 5=1317, Formation of ferrite sideplates
+Trivelpiece, A. W. 5=3161, Synchrotron radiation from a
     plasma
+Trivelpiece, A.W. 5=3222, Synchrotron radiation from a plasma
+Trivelpiece, A.W. 5=10489, Cyclotron and plasma wave inter-
      actions
+Trivisonno, J. 5=12540, Elastic constants of potassium
Trlifaj, M. 5=1553, Electron-hole pairs in crystals
+Trnka, J. 5=9889, Absorption of alkali halides
+Troelstra, A. 5=350, B-wave in electroretinography Troelstra, A. + 5=8173, Accommodative tracking
+Trofimov, A.S. 5=870, Heat transfer in nuclear reactors Trogus, H. 5=6979, Switching transistors. II
+Troiano, A. R. 5=6643, Steel stacking fault energy
 +Troim, J. 5=13490, Rocket in quiet D region
+Troinar, E. 5=1611, Kohler's rule by indium
```

hysics Abstracts 1965 - Part I (Jan. - June) Troitskaya, V. A. 5=13608, Geomagnetic micropulsations Troitskaya, Z. V. 5=6454, Structure of gallium and indium Troitskii, M. A. 5=5489, Mass difference of mirror nuclei roitskii, O.A. + 5=1552, Mechanical properties of zinc crystals Troitskii, V.S. 5=4625, Heat from interior of moon Troitskii, V.S. 5=4630, Radio temperature of moon, Jupiter +Trontskii, v.5. 5=7000, Radio temperature of most, γ +Trontelj, Z. 5=7281, N.M.R. of 5-spin system +Trooster, J. M. 5=7228, Eu²+ e.s.r. in PbCl₂ +Troshkin, I. A. 5=10746, Portable X-ray sets +Trost, W. 5=8541, Quadrupole-dipole N¹⁴ 3.95 \rightarrow O γ +Troup, G. J. 5=8145, Recording extended diffraction patterns Froup, G. J. + 5=7234, Fe³⁺ e.s.r. in kyanite +Troup, G. J. 5=10579, Kronig-Kramers relations in n.m.r. +Troup, G. J. 5=12985, E. S. R. of Fe³⁺ in benitoite +Troyan, Yu. A. 5=2560, Isobar state systems and decay modes +Troyan, Yu. A. 5=8482, Λ by isobars in π -p interactions +Troyanowsky, C. 5=5863, I.R. spectra of Ca₃Al₂O₆, xH₂O +Trozera, T. A. 5=6701, Mechanical properties of carbon Trozzolo, A. M. + 5=14666, E. S. R. of organic triplet states +Trubchaninov, S. A. 5=11755, Instability in plasmoid Trubitsyn, A. M. + 5=9685, Conductivity in permanganates
Trubnikov, B. A. + 5=3139, A maxwell plasma Trubnikov, B. A. + 5=12430, Slowing protons in metals +Truby, F. K. 5=13176, γ -Tradiated solids at 77°K Trucco, R. 5=13182, Emission spectrography +Truchasson, C. 5=6134, Method for measuring liquid velocity +True, W. W. 5=11226, Low-lying Cu63 levels +Trueblood, D. 5=14692, Electrons in ionization afterglows Trueman, T. L. 5=11096, $\pi^+\pi^+$ p resonance calculation Truesdell, C. 5=4751, Ergodic theory in classical statistical mechanics +Trumbore, F. A. 5=3670, Phonon spectra of Ge—Si Trumbore, F. A. + 5=9949, New pair spectra in GaP +Trumper, J. 5=8503, Muon spectrum at 3000 m +Trümper, J. 5=10901, Large area scintillation counter Trumpy, B. + 5=11154, Cosmic ray storms in 1959 +Trunov, V. A. 5=12918, Neutron scattering on Fe spin waves +Trunova, Z. G. 5=13747, Jupiter's decimeter radiation Truong, T. N. 5=5436, CP, violation in K° decay +Truong, T. N. 5=8471, Production of KK in e+e-collisions +Truong, T. N. 5=11103, K₄ decays +Truong, T. N. 5=14266, Baryon—Leptonic decays Trusov, V.V. + 5=3345, Phosphorescence of solutions +Trutia, A. 5=14664, Spectra of tributylbores Trutia, A. + 5=15549, Solid, liquid Co compounds absorption +Truția, E. 5=848, Evaporation spectra of neutrons Truttse, Yu. L. 5=1940, Oxygen emission patches Tsai, S. Y. + 5=11072, Goldberger-Treiman relation Tsai Yung-Su. 5=8369, y source from e'e annihalation Tsal', N. A. + 5=3775, Coagulation of F-centers in KCl Tsal', N. A. + 5=12425, F-centre coagulation in KCl Tsao Chang-chie. + 5=8454, Low energy n-N 3.3 scattering Tsao Chang-chie, + 5=8460, Low energy $\pi - \Lambda$ P_{2 h} scattering +Tsao, C. H. 5=2566, High-energy nuclear interactions +Tsao Hsias-wen. 5=15296, Superconduction of Pb-Sb alloys +Tsaoussoglou, P. E. 5=6196, Excess properties in mixed ionic melts. II. +Tsarenkov, B. V. 5=3901, Carrier lifetime in GaAs p-n junction +Tsarenkov, B. V. 5=13047, GaAs light source +Tsarenkov, B. V. 5=15361, Electrical properties of GaAs diodes Tsarev, V. A. + 5=12919, Ferromagnetic spin wave theory +Tsarevskii, B.V. 5=3313, Surface-tension of liquid Fe-Mn +Tsarevskii, B.V. 5=3314, Surface-tension of Fe-Si Tsaryev, V.A.+ 5=7173, Properties of ferromagnetic dielectrics +Tschetter, C.D. 5=13636, Data with rocket mass spectrometer Tschunko, H. F. A. 5=5089, Irradiance in diffraction image +Tseitlin, N. M. 5=4630, Radio temperature of moon, Jupiter +Tsekhnovicher, L. A. 5=12732, Excess conductivity in Ge +Tsekvava, B. E. 5=15371, Nonlinear polarizability Tserkovnikov, Yu. A. 5=14809, Second sound in Bose gas +Tseng Chin-yen, 5=5507, Pairing force in deformed nuclei +Tseng Hsiao-pin 5=10098, Geomagnetic storm Tseng Hsun-yi. + 5=6262, Study of Alnico alloys +Tseng Poh-Kun. 5=1236, Mössbauer absorption line spectra Tsidilkovski, I. M. 5=9592, Electron scattering in InSb +Tsidilkovski, I. M. 5=12739, Magnetoresistance of n-InAs Tsidil'kovskii, I. M. 5=6935, Answer to Galavanov's comments on carrier scattering +Tsilimigras, P. 5=8429, Neutron spectrum Tsin Chén-Zhui [Ch'ing Ch'êng-Jung]. 5=2828, μ^- + Li⁶ \rightarrow He⁶ + ν

+Tsintsadze, N. L. 5=1081, Diffusion of plasma Tsintsadze, N. L. 5=6038, Wave conversion in magnetized plasma Tsinzerling, E. V. + 5=12404, Dislocations in quartz Tsiovkin, Yu. N. + 5=15049, Specific heat of Pt-Gd alloy Tsirul'nikova, L. M. 5=15430, Complex paramagnetic guscentihility Tsitovich, A. P. 5=10926, Multichannel analyzers Tsitovich, A. R. + 5=10470, Memory for amplitude analyzer Tsitovich, V. M. 5=13734, Plasma turbulence cosmic rays +Tsitovich, V.N. 5=14685, X-ray n emission in discharges Tsitvich, V. N. 5=4686, Turbulence of cosmic plasma Tsong Tien Tzou. See Tien Tzou Tsong. +Tsonis, C. A. 5=6121, Oil backstreaming through vacuum trap +Tsopp, L. E. 5=11712, Plasma acceleration by e. m. wave +Tsoucaris, G. 5=12207, Structure of lanthanum aluminate Tsuboi, M. + 5=989, Inversion in methylamines +Tsuchida, A. 5=7304, IR. absorption in antiferromagnetic crystals Tsuchiya, T. 5=14700, Electron impact.II.propane Tsuda, S. + 5=1069, Ionization-efficiency curves Tsugane, S. + 5=15373, Dielectrics of As-Te glasses Tsuge, K. 5=1537, Mechanical relaxations in paraffin crystals +Tsuge, K. 5=15381, Dielectric relaxations Ts'ui Fêng-chu. + 5=12106, CaF₂ crystal growth Tsui Va-chuan[Ts'ui Wa-ch'uang]. 5=2610, 650 MeV p elastic scattering Ts'ui Wa-ch'uang. See Tsui Va-chuan. Tsuji, T. 5=15800, Molecular abundances in stars +Tsujii, Y. 5=9287, Single crystal foils of tin +Tsujikawa, I. 5=1855, Absorption lines of V³⁺-Al₂O₂ Tsukakoshi, O. + 5=7712, Diaphragm manometer +Tsukamoto, T. 5=2381, Clebsch-Gordan coefficients +Tsukerman, V. A. 5=10746, Portable X-ray sets +Tsukerman, V. A. 5=12038, Film thickness measurement +Tsukvernik, V. M. 5=4230, Antiferromagnetic resonance line +Tsukuda, M. 5=2861, U²³⁸ fission by 55 MeV protons +Tsupko-Sitnikov, V. M. 5=8446, Muon capture in He³ +Tsuru, H. 5=12837, Deterioration of solar cells Tsuruda, K. + 5=15677, Low-latitude whistlers +Tsuruda, K. 5=15678, Nose whistler Tsutsumi, O. 5=12695, Errata; galvanomagnetism in semiconductors +Tsutsumi, Y. 5=6264, Equation of state for powder compression Tsutsumi, Y. + 5=7230, F¹⁹ e.s.r. in CaF, +Tsuyuki, U. 5=3283, Rheology of asphalt +Tsuzuki, Y. 5=11076, Four-momentum transfer +Tsvankin, D.J. 5=1288. Temperature changes in polymers +Tsvetkov, D. M. 5=13735, Astronomical unit by radar off Venus Tsvetkov, V. N. + 5=3387, Sedimentation in an ultracentrifuge Tsvetkov, V. P. + 5=3960, Number of free electrons +Tsvetkov, V. P. 5=11959, Chemical bond in alloys +Tsykunova, T. M. 5=7965, Discernibility of fresnel rings +Tsypin, S. G. 5=5364, Fast neutrons in sodium Tsyrlin, L. E. 5=221, Fields in electron-optical arrangements Tsytovich, V. N. 5=1116, Cyclotron radiation in plasma +Tsytovich, V.N. 5=3158, Charge scattering on e.m. waves +Tsytovich, V.N. 5=3167, EM wave decay in plasmas +Tsytovich, V. N. 5=5994, X- and n-radiation in discharge +Tsytovich, V. N. 5=11677, Electron beams in plasma Tsytovich, V. N. 5=14400, Neutrinos turbulent plasma +Tsytovich, V.N. 5=14739, Interaction of radiation with plasmas +Tu Shan'tsze. 5=10456, Instrument for magnetic susceptibility Tuan, D. F. + 5=895, Theory of atoms and molecules. IV. Tuan, H.S. + 5=14723, Radiation from charge in plasma +Tuan, S.F. 5=637, Strange-particle production +Tuan, T.F. 5=14303, Three-body scattering Tubbs, M. R. + 5=5098, Photographic applications of PbL +Tubbs, M. R. 5=13175, Photodecomposition of PbI +Tubis, A. 5=612, Pion-pion scattering +Tuchkevich, V. M. 5=14987, Growth of GaP and CdTe +Tuchkevich, V. M. 5=15333, Galvanomagnetism in n-Si Tuchscheerer, T. 5=5273, Examinations on solid-dosimeters Tuck, B. 5=9577, Grain boundary sliding of tin Tucker, A. B. + 5=11327, Inelastic neutron scattering Tucker, C. W., Jr. 5=3520, CO adsorption on Pt Tucker, J. W. + 5=2296, Xe flash lamp for laser +Tucker, J.W. 5=12205, Charge distribution in Fe and Cr Tucker, J. W. 5=12289, Specific heat in paramagnetics Tucker, T. J. 5=13927, Exploding wire detonators Tucker, W. H. + 5=6060, Force on stationary sphere +Tugulea, A. 5=10250, Relativistic Maxwell-Hertz electrodynamics +Tukhfatullin, A. A. 5=7137, Domain growth in Mg₃Cd +Tulaev, B. P. 5=10937, Bubble chamber photographs

+Tsin Yui [Ch'ing Yü]. 5=13268, Cloud drop charging Tsinober, L. I. + 5=15104, Growth and colour in quartz

Tzou, K. H. 5=14292, Gauge fields and photons

Tzou Tsong-Tien. See Tien Tzou Tsong.

```
Tumakaev, G. K. + 5=2103, Hg vapour in shock tube
Tuman, V.S. 5=7464, Elastic wave propagations
+Tumanov, V.S. 5=5727, Absorption in a two-level system
+Tuman'yan, Yu. A. 5=12003, Precipitation of germanium
Tung Lin-shu. 5=4911, Stability of electron beam
+Tunstall, W. J. 5=9477, Dislocations in Nb-containing steels
Tuominen, J. 5=13766, Magnetic fields and sunspots
Tuominen, J. 5=15888, Amplification of magnetism in sunposts
+Tuplin, T. A. 5=5814, Isotopic composition of Mo
Turbadar, T. 5=5078, Triple-layer anti-reflection coatings
Turbadar. T. 5=7303. Absorption by metallic films
+Turchinetz, W. 5=5700, Neutrons from thorium photofission
+Turkdogan, E.T. 5=3308, Liquid-miscibility gap in Fe-Sn
Turkdogan, E. T. + 5=14834, Molten Ag-Si alloys
+Turkevich, J. 5=15495, E. P.R. of Cu ions in crystals
+Turkevich, 5. 5=15450, B. F. R. of Cu folis in exystats +Turkington, R. R. 5=12379, Dislocation motion in aluminium +Turkot, F. 5=2675, K_1^0-K_2^0 mass difference +Turlay, R. 5=5435, 2\pi decay of the K_2^0
Turnbull, A. G. 5=6578, Thermal conductivity of \alpha-phosphorus
+Turnbull, D. 5=6334, Metastability of amorphous structures
+Turnbull, D. 5=6757, Hardening by oxygen-vacancy interactions
Turnbull, D. 5=11934, Undercooling of liquids
+Turnbull, J. A. 5=3627, Structure of graphite-Br compounds
+Turnbull, R. H. 5=14439, N* resonances
+Turner, A. F. 5=9242, Deposited thin films using laser
Turner, B. A. + 5=2574, CdS radiation detectors
Turner, C. H. M. 5=14380, Analysis characteristics in synchrotron
Turner, D. J. 5=11827, Electrostatic ionization pumps and gauges
+Turner, D. W. 5=263, Cl<sup>3</sup> chemical shift by double n.m.r.
+Turner, G. 5=15857, Rare gases in chondrite
Turner, G. K. 5=8123, Absolute spectrofluorimeter
+Turner, J. F. 5=2809, Optical model of 30 MeV p-scattering. I
Turner, J.F.+ 5=2810, Optical model of 30 MeV p-scattering. II
+Turner, R. E. 5=10397, Low temperature physics conference
+Turner, R. G. 5=8145, Recording extended diffraction patterns
Turner, R. L. + 5=7972, Secondary electrons in t. w. t.'s
+Turner, S. H. 5=111, Shock waves in copper
Turner, W.J. + 5=4311, Exciton absorption in InP
+Turos, A. 5=8436, Time-of-flight spectrometer
Turovskii, B. M. 5=12394, Dislocations in silicon crystals
+Turrell, B. G. 5=6248, Au nuclear polarization in iron
+Turrell, B. G. 5=12293, Specific heat of V<sub>10</sub>Fe<sub>90</sub>
+Turrisi, E. 5=1596, Positron annihilation in Si
+Tursunov, R. A. 5=5338, 19.8 GeV/c p's in emulsion
+Tusting, R. F. 5=4141, C-70045A photomultiplier
+Tutas, D. J. 5=3510, Ellipsometry of adsorption Tutov, A. G. + 5=9328, Bi<sub>2</sub>O<sub>3</sub>-metal<sub>2</sub>O<sub>3</sub> structure
Tuttle, F. 5=10737, Optical aids in signal processing
+Tuttle, O. F. 5=10195, Dissolved gas in glasses
+Tuvdendorzh, D. 5=8458, \pi-p scattering at 4 GeV/c Tuzov, L. V. + 5=5133, Distortion in X-ray collimation
+Tuzova, T. V. 5=15647, Nuclear geochronology
+Tuzzolino, A. J. 5=1887, Fluorescence of sodium salicylate
+Tverdokhlebov, V. I. 5=2347, Experiment with zone plate
+Tveter, A. 5=11223, Si^{28} odd parity states
+Tweet, A.G. 5=3088, Films of methyl chlorophyllide
Twersky, V. 5=330, Rayleigh scattering +Twersky, V. 5=7729, Two-dimensional multiple scattering
Twomey, S. + 5=4451, Size distributions of aerosols
Twomey, S. 5=13806, Filtering in indirect sensing
+Tyablikov, S. V. 5=2055, Classical and quantum systems
Tyablikov, S. V. + 5=7799, Averages for Pauli operators
Tyagai, V. A. 5=12825, Photo effect at CdS-electrolyte interface
+Tyagaradzhan, R. 5=12385, Dislocation rosettes in CsI
+Tyagi, B. K. 5=10415, Measurement of small currents
+Tyankin, Yu. D. 5=14931, Ordering of NiPt alloys
Tyapkin, Yu. D. 5=1254, Scattering of X-rays in crystals
Tyapkina, N. D. + 5=12737, Electrical properties of p-Ge
Twomey, S. 5=4468, Cloud droplet coalescence
Tye, R. P. 5=4833, Thermal conductivity conference
Tyler, J. E. 5=7476, Colour of the ocean
Tyson, W.R. + 5=12454, Shear stresses in fibre reinforcement
+Tyulin, V.I. 5=2995, Vibrational spectra of C_3O_2
+Tyulin, V.I. 5=3025, Vibrational spectra of 1, 3-butadiene-d<sub>6</sub>
+Tyulin, V.I. 5=8857, Raman spectrum of cyclopentene
+Tyurkson, E.E. 5=9434, Vacancy pair in alkali-halide
+Tyutin, I. V. 5=5323, Inelastic \nu-d scattering
+Tyutyugin, I. I. 5=14553, n-induced fission of U235,238
Tyutyulkov, N. 5=1911, Electrochemical electrode processes
+Tzalmona, A. 5=13013, Molecular rotation measurement by
```

+Tzvetkov, Yu. D. 5=3075, Free radicals in alicyclic compounds +U Tza-Tzin. 5=12481, Yield point in Al-Cu +Ubbelohde, A. R. 5=9401, Thermal conductance in graphite Uberall, H. 5=2430, Decay of intermediate bosons Überall, H. 5=8527, Collective vibrations due to neutrinos Uberoi, C. + 5=2243, Hydromagnetic waves in compressible medium Uberoi, C. + 5=10118, Gravitational instability Uberoi, M.S. + 5=7991, Instability of current-carrying jet +Uberoi, M.S. 5=14090, Hydromagnetic instability of fluid Uchida, E. + 5=7180, Magnetic anisotropy of CoO +Uchida, I. 5=6534, U.S. amplification in CdS +Uchida, M. 5=15353, Stress and Ge junctions Uchida, T. 5=10613, Frequency spectra of He-Ne lasers +Uchiyama, S. 5=4188, Anisotropy in ferromagnetic films +Udagawa, T. 5=11210, Collective vibrations in nuclei +Udalov, Yu. P. 5=6638, Dislocation etching of KBr and NaCl +Udalov, Yu. P. 5=12222, Structure of PrAlO₃ and SmAlO₄ Udo, F. + 5=11362, The Au, Cu(d, p) reactions +Udovichenko, Yu. K. 5=6029, Plasma confinement by h.f. H wave +Udovichenko, Yu. K. 5=11710, E. M. field in plasma Udrea, I. + 5=873, Fuel burn-up in reactor Uebersfeld, J. 5=8024, Double resonance and e. s. r. lines +Uebersfeld, J. 5=9157, Dynamic polarization of liquids +Ueda, T. 5=2606, Nucleon-nucleon scattering. II. +Ueda, T. 5=14411, Boson width and N-N scattering +Uemura, Y. 5=6824, Cyclotron absorption in PbTe +Ugarova, N. A. 5=12473, Tilting and strain in deformed Al Uginčius, P. 5=15689, Acoustic-ray equations for medium Uglov, A. A. 5=14967, Czochralski crystal growing method +Ugryumova, M. A. 5=15388, $Pb_{06}Ba_{04}Nb_2O_6$ dielectric properties Uher, L. 5=7108, Construction of Priesach diagram Uhlhorn, U. 5=4758, Time-dependent quantum statistics +Uhlig, R. 5=8619, Photonuclear cross-sections for low Z Uhlmann, D. R. + 5=1212, Particle-interface interaction Uhlmann, J. 5=3450, Surface properties of metal powders +Ui, H. 5=11353, Direct interaction in $C^{12}(t, \alpha)B^{11}$ +Ukita, M. 5=11615, Vibrations of polymer molecules. V Ullah, N. 5=362, Hamiltonian matrix elements Ullah, N. + 5=10277, Expectation-value distributions Ullah, N. 5=11280, Compound nucleus level widths Ullrich, H. 5=2803, The reactions $\mathrm{Si}^{28}(\gamma,\,\mathrm{p})$ Al^{27} and $\mathrm{Si}^{28}(\gamma,\,\alpha)\mathrm{Mg}^{24}$ Ulmer, K. + 5=4915, Relaxation in electron beams +Ulmer, K. 5=7354, Isochromats of Pt metals Ulmer, K. 5=15294, Superconduction of platinum metals +Ulmer, L. 5=1357, X-ray diffraction patterns +Ulrich, B. T. 5=566, $p+p \rightarrow \pi^* + d$ at high momentum Ulrich, D. R. 5=12791, Properties of glasses +Ul'yanov, R. A. 5=6746, Physical properties of niobium Uman, M. A. 5=13287, Conductivity of lightning Uman, M. A. 5=13290, Diameter of lightning Uman, M. A. + 5=13294, Electron density in lightning Uman, M. A. + 5=13295, Lightning strokes +Umanskii, J.S. 5=3673, Phonon spectrum of Ni₃Fe Umanskii, Ya. S. + 5=6433, Chromatic error in X-ray diffraction +Umanskii, Ya. S. 5=6515, Phonon spectrum of nickel +Umantsev, E. L. 5=12098, Growth of sapphire crystals Umeda, J. 5=6938, Galvanomagnetic effects in Mg₂Sn

Uo, K. A. 5=14770, Perpendicular temperature of He discharge in C-stellarator

Upadhya, K. N. + 5=1197, Fluorescence and spectra of pdichlorobenzene

+Upadhyaya, U.N. 5=1719, Susceptibility of bloch electrons +Upadhyaya, U. N. 5=1781, Magnon-conduction electron interactions

+Upatnieks, J. 5=327, Wavefront reconstruction +Urban, C. 5=953, Spectroscopy of N₂ stream +Urban, P. 5=11007, Radiative corrections in e-p scattering

Urban, P. [Ed.]. 5=14283, Weak interactions and higher symmetries +Urbanec, J. 5=10983, Gamma-ray spectrometer

Urbanec, J. + 5=10989, Gamma-ray spectrometer Urgošík, B. 5=5730, Mass spectrum of omegatron

Urick, R.J. + 5=4439, Explosive reverberation +Urlin, V. D. 5=3813, Compressibility of 5 compounds Urosovskii, I. A. 5=13956, Diffraction by periodic surface +Urquhart, D. F. 5=10985, Gamma ray spectrometer

Ursu, I. + 5=1652, Electrical conductivity of nickel-chromia Ursu, I. + 5=1803, E.S.R. of Mr(II) ion in zeolites Ursu, I. + 5=15625, Poisoning of a catalyst

Urtz, R. P., Jr. 5=6018, Plasma diagnostics using Raman effect +Urusovskaya, A.A. 5=1533, Plastic deformation of nickel

+Urusovskaya, A. A. 5=1555, Plastic deformation of nickel Urusovskaya, A. A. 5=6742, Plastic deformation of nickel Urusovskaya, A. A. 5=12385, Dislocation rosettes in CsI +Urusovskaya, A. A. 5=15092, CaF₂ with Sm trace Uryû, N. 5=1772, Antiferromagnetism of FeCl₂.4H₂O

Uryû, N. 5=7087, Susceptibilities of Mn Fe formate dihydrates

Usachev, L. N. + 5=2851, Resonance widths of U²³³ and Pu²³⁹ +Ushio, S. 5=1722, Superconducting Nb-Zr wire

+Usik, P. A. 5=2564, Production of heavy particles

+Usikov, M. P. 5=3754, Microstresses in metals +Usikov, M. P. 5=9569, Plastic deformation during creep

Uslenghi, P.L. E. 5=2258, HF scattering from coated cylinder Uslenghi, P. L. E. 5=5045, Dielectric lenses

+Usov, V. A. 5=8711, High temperature reactor Usov, Yu. P. + 5=11619, Windows of discharge chambers

+Uspenskii, A. V. 5=11471, Determining relaxation rates +Ustinov, Yu. K. 5=7433, Chemisorption of H on W

+Usui, N. 5=1722, Superconducting Nb-Zr wire +Utevskii, L. M. 5=3754, Microstresses in metals

+Utevskii, L. M. 5=9569, Plastic deformation during creen Utiyama, H. + 5=11617, Light scattering from polymers

Utiyama, R. 5=13867, Quantum theory and general relativity +Utley, E. C. 5=15140, Reversion during cycling of Al alloy

+Utton, D. B. 5=6246, Nuclear Mn fields in $\rm Mn_s Ge_3$ +Utton, D. B. 5=13001, $\rm H_{eff}$ at Co in Co—Fe alloys Utz, W. R. 5=13902, Torsional vibration of bars

+Uvarov, N. A. 5=14027, High velocity oscillograph +Uzan, R. 5=1280, Evaporation techniques of thin films +Uznadze, O. P. 5=5706, Neutron propagation in UC

+Uznadze, O. P. 5=8712, Fast reactor with Th screen Uzuka, K. 5=14116, Loop antenna in dissipative medium

Vachaspati. 5=10721, Scattering of light by electrons Vachet, F. + 5=14833, Al activity in liquid alloys Vager, Z. 5=8540, Single state for E1 resonance

+Vagh, A. S. 5=6346, Prism faces of natural quartz +Vagh, A. S. 5=6347, Rhombohedral faces of cultured quartz

+Vagh, A. S. 5=12084, 'Tadpoles' on quartz Vagin, V. A. + 5=8367, High-energy particle separation

Vago, I. 5=8002, Radiation pattern of horizontal aerial +Vahlbruch, K. M. 5=14077, Image converter of light +Vaidya, N. C. 5=4910, Magnetic compression of electron beams

Vainshtein, A.I. + 5=461, Gauge invariance Vainshtein, B. K. 5=1332, Scattered intensity from crystal

+Vainshtein, B. K. 5=1378, Crystal structure of PbCO₃, PbO. 2H₂O +Vainshtein, E. E. 5=7345, LIII spectra of La and Ce compounds

+Vainshtein, E.E. 5=7370, Litt fine structure in Y Vainshtein, E. E. + 5=9923, X-ray Kas in TiO 0.83-1.20

Vainshtein, L. + 5=8771, Excitation of alkali metal atoms Vainshtein, L.A. 5=241, Open resonators

Vainshtein, Ye. E. + 5=4312, X-ray spectrum of La borides Vainu Bappu, M. K. 5=7685, Prominences +Vaipolin, A. A. 5=12100, Properties of As₂Se₃

Väisälä, V. 5=10049, Temperature measurement radiation error *Vaisburd, P. M. 5=10427, Stability of electronic timer

Vaisenberg, A.O. + 5=2829, \(\pi\) absorption by emulsions +Vaitkus, Yu. 5=7030, CdSe photoconductivity relaxation

Vakhnin, V. M. + 5=212, Motion of charged particles

Vakhnin, V. M. + 5=13401, Charged particles in geomagnetic field Vakil, N. P. + 5=8723, Programming a control computer Vakulenko, O. V. + 5=15570, I. R. absorption by Si Vala, M. T., Jr. + 5=1022, Polymer excited electronic states +Vala, M. T., Jr. 5=9591, Hole mobility in anthracene Valakhanov, V. Ya. + 5=11721, Interferometer for plasma +Valat, J. 5=2868, Optimization of Xe poisoning +Valat, J. 5=5715, Optimization of xenon poisoning +Valatin, J.G. 5=706. Energy gap in rotational states Val'chikovskaya, V. A. + 5=6556, Debye temperature of gold +Valdés, S. 5=8084, Visual image Val'dner, O. A. + 5=14369, Linear electron accelerator Valdre, U. 5=14990, Goniometer for electron microscope Vale, R. L. 5=3875, Radiation damage in polypropylene +Valeev, A. S. 5=5057, Band interference filters Valeev. A. S. 5=5074. Transmission of multilaver coating +Valentin, F. H. H. 5=3819, Tensile strength of powders +Valentin, J. 5=14504, Conversion electrons in W¹⁷⁷ decay Valentin, L. 5=8633, (p, n) and (p, pn) reactions Valentin, P. + 5=7835, Shock waves in AR +Valentine, E. 5=10903, Gain stabilizer for scintillation

counters Valentine, R.C. + 5=2226, Electron microscope image recording +Valenzuela, C. G. 5=3532, Crystallography of Al Valerio, J. 5=13419, Protons observed on Injun 3 +Valishev, R. M. 5=15508, Exchange interactions by e. s. r. Valitov, R. A. + 5=2255, Field distribution in resonator

Valković, V. + 5=5653, Triton spectrum from n + Li⁷ reaction Vallada, G. 5=11087, Pion from N₃₃ isobar

+Valle Bracero, A. 5=14808, Accommodation of 8 halomethanes II Valleau, J. P. + 5=11612, Supersonic molecular beams +Vallet. P. 5=1375, Crystallography of solid wüstite

+Valli, K. 5=762, α-activity of Sm-146

Valli, K. 5=8605, α fine structure in Ac²²⁵, Fr²²¹, At²¹⁷, Bi²¹³ +Vallier, J. 5=6185, Raman spectrum of molten KNO₃-BaCl, Vallier, J. + 5=11521, Chlorides—nitrates Raman spectra

Vallois, G. 5=500, Adjoining barrier detectors +Vallois, G. 5=8550, Excitations in α -Sn scattering Valnicek, B. + 5=7561, Space velocity coronagraph

Valters, A. K. + 5=902, Spectrum of Fe Valters, A. K. + 5=11434, Oscillator strengths in Fe spectrum +Valyashko, E. C. 5=12706, Semiconductor homogeneity by light

probe Van Dong Nguyen. 5=6573, Thermal conductivity of Ge

Van,J.Tran Thanh. See Tran Thanh Van,J. Van Qui Vu. See Vu Van Qui.

+Van Ven'-yun', 5=5915, E.S.R.of aromatic radical ions +Van Zhun'-Ven. [Wang Jun-weng]. 5=10661, Resolution of optical images
Van Allen, J. A. + 5=11141, Galactic cosmic rays

Van Allen, J. A. + 5=13312, Solar cosmic ray intensity +Van Allen, J. A. 5=13412, Outer radiation zone

+Van Allen, J. A. 5=13413, Electron diurnal variations +Van Allen, J. A. 5=13418, Energetic electrons in magnetospheric boundary

Van Allen, J. A. 5=13423, Remarks on letter by Gringauz Van Allen, J. A. 5=15775, Thin films in space +Van Audekercke, R. 5=3788, Metal surface ion bombardment +Van Audekercke, R. 5=7197, Spin wave resonance in permalloy +Van Audekercke, R. 5=12387, Bombardment of Cu and Ge by Ar

ions Van Audenhove, J. 5=11948, Evaporation of metals Van Beek, L. K. H. 5=4077, Dielectric constants of borax Van Beek, L. K. H. 5=4078, Dielectric properties of hydrates Van Brunt, R. J. + 5=3134, Electron-impact. III. Azulene and

naphthalene +Van Camp, K. J. 5=5264, Scintillator electron pulse height Van Con, K. 5=15014, Silicogermanides of manganese +Van Craeynest, F. 5=2357, Charging of ZnO

Van Craeynest, F. + 5=15581, Yellow colour of heat treated ZnO Vančura, A. 5=5210, Fermi interactions

Vančura, A. 5=5229, Multi-channel scattering of leptons Vančura, A. 5=5377, Decay of a bound μ -

+Vand, V. 5=2348, Scattering by graphite spheres Vandaele-Dossche, M. + 5=2039, Mechanical u.v. birefringence + Vandaele-Dossche, M. 5=13843, Negative mechanical birefringence

Vandakurov, Yu. V. 5=6053, Theory of stability of plasma +Van Dam J. 5=7221, Paramagnetic relaxation in Cu,Cl, Van Dang, N. 5=4181, Creep of asymmetrical hysteresis van Dantzig, R. + 5=5676, Born analysis of C12(d, p)C1 +Vandecandelaere, G. 5=4798, Quartz ultrasonic transducer +Van de Graaff, R. J. 5=14367, Inclined-field acceleration

```
van den Bergh, S. 5=10155, Stellar collisions in galaxies
Van Den Berghe, E.V.+ 5=3373, Methyltinchlorides in HCl
+Van Den Boom, F. J. 5=9304, Specimen holder for electron
     microscope
 +Van Den Bos, J. 5=14613, He excitation by He
Van den Bosch, A. 5=3859, Annealing of n-irradiated LiF
Van Den Bosch, A. 5=7086, Magnetism of radiation—damaged LiF
+Vandenbosch, R. 5=5601, Isomer ratios in nuclear reactions
Vandenbosch, R. + 5=11227, Isomer ratios for Y87,87m
Vandenplas, P. E. + 5=1074, Plasma model. I
Vandenplas, P. E. + 5=1075, Plasma model. II
 +Vandenplas, P.E. 5=6011, Hot plasma secondary spectrum
van der Does de Bye, J. A. W. 5=7899, Liquid Ni temperature
      regulation
van der Elsken, J. + 5=4293, I.R. spectra of solid solutions
+van der Goot, A. S. 5=12528, Ni internal friction
+Vanderhaghen, R. 5=8452, \pi^+ + n \rightarrow p + \pi^0 at GeV/c
van der Helm, D. + 5=12254, Crystal structure of iron
      cupferron
Van Der Hoeven, B. J. C., Jr. + 5=6551, Specific heat of Pb
+Van Der Kelen, G. P. 5=3373, Methyltinchlorides in HCl Vanderkooy, J. + 5=4091, Conduction in {\rm Li}({\rm N_2H_5}){\rm SO_4}
van der Laan, P.C.T. 5=3152, Plasma drift in magnetic field
Van Der Lugt, W. + 5=251, Weak n.m.r. and e.s.r. signals
van der Merwe, J. H. 5=9268, Bicrystal interfacial energy
+van der Merwe, J. H. 5=9459, Misfit dislocations in bicrystal
van der Meulen, Y. J. 5=1645, Electrical conductivity in GaSb
+Van Der Raay, H. B. 5=568, p+p\to d\times \pi^+ at 990 MeV +Van Der Raay, H. B. 5=656, He³ from D interactions +Vanderslice, J. T. 5=11504, Absorption spectrum in CO
Vander Sluis, K. L. + 5=14151, Simple He-Ne laser
 Van Der Spuy, E. 5=2432, Fundamental theory of matter
Van Der Spuy, E. 5=5188, Broken symmetry
van der Waals, J. H. 5=3017, Aromatic hydrocarbon triplets
Vanderwerf, D. F. + 5=11503, Absorptance of CO and CH4
 +Van Der Wiel, M. J. 5=8946, Ionization cross sections in gases
 +Van Der Zeil, A. 5=2201, Shot noise suppression
 +van der Ziel, A. 5=2291, Light noise in He-Ne lasers
 +Van Der Ziel, A. 5=5000, Emission noise in He-Ne lasers
van der Ziel, J. P. 5=4317, Second harmonics in KH<sub>2</sub>PO<sub>4</sub> (KDP)
+Vandevyver, M. 5=6574, Thermal conductivity of n-irradiated Ge
 Van de Walle, J. + 5=6174, Ultrasound propagation in 1, 2-
      propanediol
 +Van de Walle, R. T. 5=11082, \pi^+-p at 500MeV
 +Van Deynse, N. 5=4161, Cu-Be susceptibility measurements
 +van Dijk, P. M. 5=1517, Deformation bands in copper
+VanDilla, M. A. 5=7621, Detection of interstellar y-rays
 Van Dingenen, W. + 5=2818, n-Scattering by bound nuclei
Van Dingenen, W. + 5=5897, Proton spectrum in xylene
+Van Dingenen, W. 5=6514, Cold neutron-phonon scattering in Ni
+van Doorn, C. Z. 5=4368, "Qrange" centres in ZnS:Ag, Cu or Au
+van Doorn, C. Z. 5=9425, Structure of Ag centre in ZnS
 +van Duinen, R. J. 5=7960, Electron depolarization and scattering
+Van Dusen, W., Jr. 5=10031, \gamma-irradiated alkylbenzenes Van Dusen, W., Jr. + 5=13176, \gamma-Irradiatedsolids at 77°K +van Duykerew, N. W. J. 5=6552, Specific heat of Ni
 Van Dyke, M. 5=14780, Fluid mechanics
Van Eijk, C. W. E. 5=8604, Decay of <sup>202</sup>Tl
+Vanfleet, H. B. 5=14879, Melting and elec. resistance of Au
+Van Geen, R. 5=2039, Mechanical u.v. birefringence
Van Geen, R. 5=7309, Stress-birefringence non-linearity
+Van Geen, R. 5=13843, Negative mechanical birefringence
+van Gelder, A. P. 5=4004, Superconductor metal junctions
Van Gerven, L. + 5=252, X-Y-recorder for resonance experiments
+Van Gerven, L. 5=504, Lithium compensated Silicon junction
Van Gerven, L. 5=7211, Spin—spin relaxation times
\begin{array}{lll} \mbox{Van Gerven, L.} + & 5{=}7221, \mbox{ Paramagnetic relaxation in } \mbox{Cu}_2\mbox{Cl}_2 \\ \mbox{van Gurp, G. J.} + & 5{=}4004, \mbox{ Superconductor metal junctions} \end{array}
 +van Gurp, G.J. 5=6877, Nucleation fields in superconductors
van Haeringen, W. 5=12625, Polaron self-energy
+Van Hieu, N. 5=2450, Processes with variable number of
      particles
 +van Hieu, N. 5=14296, Scattering amplitudes in field theory
van Hook, H. J. 5=6279, Thermal stability of barium ferrite Van Hook, H. J. 5=9222, Stoichiometry in BaFeO<sub>3-x</sub>
+Van Hove, L. 5=5419,960 MeV meson and SU(3) extension
van Hove, L. 5=6776, Muster equations
Van Hove, L. 5=8258, High energy collisions
+Van Hove, L. 5=10808, Symplectic symmetry of hadrons
van Huong, N. + 5=3926, Plane waves for groups D_{ab}^{17}-D_{ab}^{20} Vanhuyse, V. J. + 5=5264, Scintillator electron pulse height
 +Vaniček, O. 5=12036, Oxide layers on steel
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+Van Itterbeek, A. 5=252, X-Y-recorder for resonance experiments
Van Itterbeek, A. + 5=3406, Vapour pressure of methane
Van Itterbeek, A. + 5=3788, Metal surface ion bombardment
+Van Itterbeek, A. 5=3993, Superconductivity of In films
+Van Itterbeek, A. 5=4024, Resistivity and mobility in Ge
+Van Itterbeek, A. 5=4161, Cu-Be susceptibility measurements
Van Itterbeek, A. + 5=4225, Permalloy ferromagnetic resonance
Van Itterbeek, A. + 5=6218, Vapour pressure of liquid argon
Van Itterbeek, A. + 5=7137, Spin wave resonance in Perm-
      alloy films
+Van Itterbeek, A. 5=7221, Paramagnetic relaxation in Cu<sub>2</sub>Cl<sub>2</sub>
+Van Itterbeek, A. 5=10385, Graphite thermometers in
      conductivity experiments
Van Itterbeek, A. 5=12387, Bombardment of Cu and Ge by Ar ions
+Van Itterbeek, W. 5=3788, Metal surface ion bombardment
+Van Itterbeek, W. 5=12387, Bombardment of Cu and Ge by Ar
+Van Kleef, T. A. M. 5=11441, Structure of spectrum of osmium
Van Klinken, J. 5=753, Longitudinal polarization of beta rays
van Klinken, J. + 5=7960, Electron depolarization and scattering
+Van Krugten, H. 5=11265, The decay of 14.6 h **Y
+Vanku, A. 5=12113, Growth of HgSe and HgTe crystals
van Landuyt, J. + 5=3761, Imperfections in films of TiO2
van Landuyt, J. + 5=3765, Fringe patterns in electron microscopy
Van Laar, B. 5=7120, The magnetic structure of CoPt
Van Leeuwen, J. M. J. 5=2051, Occupation in lattice gas
+Van Leeuwen, J. M. J. 5=6078, Pair correlation function. II
Van Lierde, W. + 5=15617, Oxidation of UO2
Van Lint, V. A. J. + 5=14692, Electrons in ionization afterglows
+van Loon, P. G. G. 5=9490, Si oxidation defect growth
+Van Meerssche, M. 5=3600, X-ray reflection for hypersymmetry
+Van Meerssche, M. 5=6496, Molecular structure of merocyanine
+Van Meerssche, M. 5=6508, Motion of ions in fluosilicates
 +van Meurs-Hoekstra, W. 5=7383, N.B.S. standard phosphors
Vannerberg, N. G. 5=12251, Structure of decammine-μ-
      peroxodicobalt tetrathiocyanate
 +Van Neste, L. 5=10385, Graphite thermometers in conductivity
      experiments
+Vänngard. T. 5=12958, E. S. R. absorption intensities +Vänngård, T. 5=15498, E. S. R. of \gamma-irradiated dextran van Nie, A. G. 5=4942, E. m. field of wave beams
 Van Nooijen, B. + 5=11265, The decay of 14.6 h 86Y
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Van Oostrum, K. J. + 5=8782, I. K. O. isotope separator
+Van Oostrum, K. J. 5=14623, Beam stabilization in separator
+Van Outrijve, E. J. 5=12867, Thermal expansion and magnetic
      phenomena
+Van Overbeeke, J. 5=251, Weak n.m.r. and e.s.r. signals Van Patter, D. M. + 5=5535, 3^+ state in Ni^{80}
+van Regemorter, H. 5=2880, Of spectral line broadening. I.
 +van Regemorter, H. 5=8739, Spectral line broadening
 Van Regemorter, H. 5=14590, Broadening of hydrogen lines
 Van Reuth, E.C. 5=2170, Mobile cryostat
van Riet, R. 5=8838, Rotational spectra of SO,
 +Van Ruler, J. 5=4027, Influence of chemisorption on Ge+Van Santen, J. H. 5=7346, U.V. absorption of PbCl<sub>2</sub>
 van Sarben, D. 5=13579, North-South asymmetry of S.
 +Van Stapele, R. P. 5=7218, Co<sup>2+</sup> e.s.r. in Cs<sub>3</sub>CoCl<sub>5</sub>
+Van Uitert, L. G. 5=1847, Magneto-optical properties of garnets
 Van Uitert, L. G. + 5=7189, Properties of transition metal
      tungstates
 Van Uitert, L. G. 5=12960, Spin ordering temperatures
 +van Uitert, L. G. 5=14978, Growth of K tantalate-niobate for
      optics
 Van Vijfeijken, A. G. + 5=6859, Type II superconductors
Van Vlack, L. H. + 5=1321, Grain growth in microstructures
+Van Vlack, L. H. 5=11989, Fe—Cr—S—O subliquidus phases
 Van Voorhis, G.D. + 5=13575, Puerto Rico magnetic anomalies
 van Vucht, J. H. N. + 5=3620, Al compounds of rare-earths
 van Vucht, J. H. N. + 5=9359, System vanadium-gallium
 +van Vucht, J. H. N. 5=14935, Phases in Sm-Al system
 van Wageningen, R. 5=4714, Finite rotation operators
van Wageningen, R. 5=14307, S-matrix from elastic scattering
+Van Wazer, J.R. 5=4375, Molecular distributions. I
Van Wazer, J.R. + 5=4376. Molecular distributions. II
+Van Westen, N.P. 5=2613, Pu-Be neutrons
van Wieringen, J.S. + 5=8023, E.P.R. at high temperatures
Vanwormhoudt, M. C. 5=10475, Linear electromagnetic media
 Van Wyk, J. M. 5=11829, Manometer for 1-400 μmHg
 +Van Wylen, G.J. 5=3404, H-He Liquid-vapor equilibrium
Vanyashin, V.S. + 5=14244, Charged vector field vacuum
 +Vanyukov, M. P. 5=2327, Supershort light flashes
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Vanyukov, M. P. + 5=8049, Complex laser oscillation modes Vanyukov, M. P. + 5=14138, Non-axial stimulated radiation +VanZandt, T. E. 5=4495, Ionosphere Explorer I satellite +VanZandt, T.E. 5=13514, Daytime equatorial F-layer Vanzant, B. W. + 5=10200, High pressure seal van Zyl, B. + 5=3128, H_2^+ and D_2^+ collisions with rare gases +Van Zyl, B. 5=8949, Proton-rare-gas collisions +Varacca, V. 5=7357, Magneto-optical effect in KCr alum +Varanasi, P. 5=8827, Absorption and emissivity for CO₂ +Varchmin, J. 5=1863, Raman crystal powder spectra Vardhan, H. 5=10736, Tracing camera DSL-I Vardya, M. S. 5=15875, Thermodynamics of solar gas +Varga, A. J. 5=7393, Luminescence in GaAs junctions +Varga, B. B. 5=3891, Electron-phonon model Varga, B. B. 5=12630, Coupling in degenerate semiconductors +Varga, P. 5=1713, Transparent cathode photomultipliers Varlamov, V. G. + 5=10931, Coincidence anticoincidence circuit +Varlamov, V. G. $5=14428, \pi$ and μ meson separation Varley, E. + 5=10313, Non-linearity and acceleration waves Vartanov, N. A. 5=10987, γ -Line and annihilation peak +Varyev, V. M. 5=2708, Fe-Cr isotope targets +Vasenkova, G. V. 5=8715, Reactor shut-down Vašiček, A. 5=303. Reversibility of ray paths Vašiček, A. 5=2344, Optical study of thin film Vasilenko, T.V.+ 5=3324. Diffusion of Se in liquid Sn Vasil'ev, A. M. 5=1791, Spin-lattice relaxation Vasil'ev, L. L. 5=164, Properties of heat insulating materials Vasil'ev, S. S. + 5=750, \$'-Spectra of Ne¹, Ge⁵ and Sb¹¹⁶ +Vasil'ev, S. S. 5=8693, U²³⁸ fission by 26. 5 MeV a's +Vasil'ev, Yu. I. 5=4434, Recording head waves +Vasil'eva, M. A. 5=12759, Quasi-contact potential of p-n +Vasilevskaya, M. M. 5=6727, Hardening of Fe-Ni-Ti alloys Vasilev, L. A. + 5=103, Plane compression shock +Vasiliev, Ya. V. 5=9766, Magnetic susceptibility of RaCl₂ Vasiliu, G. + 5=4893, Saturation-probe magnetometer +Vasiliu, V. 5=11436, Magnetic resonance of 73S, Hg1 +Vasilos, T. 5=3449, Grain growth in magnesia +Vasilos, T. 5=6695, Mechanical properties of aluminum oxide Vasilos, T. + 5=12520, MgO mechanical properties +Vasilos, T. 5=15141, Strength, grain size and porosity in Al₂O₃ +Vasilyev, B. 5=13762, X-ray radiation of sun Văsko, A. 5=10701, Note on letter by Kahan Vaško, A. 5=13183, I.R. O determination in Se Vassell, M.O. + 5=2713, Finite many-particle system +Vassell, M.O. 5=4712, Off-diagonal matrix elements +Vassent, B. 5=5632, Be7 production in Al, Ta, Au +Vassy, E. 5=7519, Magnetic storm electron content Vasyutinskii, B. M. + 5=1329, Properties of Cr whiskers +Vastel, M. 5=11329, Co resonance parameters for n +Vatin, S. 5=9981, Temperature variation of ZnS'Cu or Mn electroluminescence +Vatolin, N.A. 5=3320, Viscosity and resistivity of Fe-P and Fe-S Vaughan, D. + 5=6272, Formation of θ from θ' in Al-4% Cu +Vaughan, D.A. 5=3493, Ellipsometry of surfaces +Vaughan, R.A. 5=7220. Relaxation times in ruby Vaughan, W.E. 5=9139, Aromatic methyl ethers dielectrics +Vaughan, W.H. 5=1471, Imperfections in LiF +Vaughn, F. J. 5=11177, Search for H⁴ and Li⁴ Vaughn, F. J. + 5=11336, Neutron cross section +Vaughn, F. J. 5=11337, Neutron cross section +Vavilov, V.S. 5=1451, Radiation defects in n-type silicon +Vavilov, V.S. 5=12352, Radiation defects of Ge +Vavilov, V.S. 5=12737, Electrical properties of p-Ge Vavilov, V.S. + 5=13037, Recombination radiation from CdTe +Vavilov, V.S. 5=13118, Luminescence in germanium Vavilov, V. S. + 5=15220, Recombination in n-Si +Vavilov, V. S. 5=15599, Radiative recombination in Ge Vdovenko, V. M. + 5=9766, Magnetic susceptibility of RaCl₂ Vdozichenko, N. V. 5=15440, Magnetization of dipole lattice +Vedam, R. 5=5708, Electrical analogue for square core reactors +Vedrinskii, R. V. 5=5500, Disintegration of H3 Veduta, A. P. + 5=10638, Excitation heating of ruby laser +Vedyaev, A. V. 5=14055, Pulsed magnetic fields Veenboer, J. T. 5=8570, Absolute standardization with NaI(T1) +Vegni, G. 5=8452, π^+ + n \rightarrow p + π^0 at GeV/c +Veigele, W. J. 5=1221, Crystalline field stress +Veiler, S. J. 5=12463, Transverse stresses in wire-drawing +Veillet, J. J. 5=2655, π^- Interactions on nuclei +Veillet, P. 5=8018, Extraction of signals from noise Veillon, C. + 5=9067, Vacuum valve +Vein, P. R. 5=7923, Dipole chains in strong fields

+Vekhter, B. G. 5=15496, E. P. R. of Cu groups +Veksli, Z. 5=7280, F¹⁹ magnetic shielding in crystals +Velculescu, V. G. 5=8034, Population inversion of levels Vélez, C. 5=5976, Ohmic heating of plasma +Velichenkova, E. A. 5=11991, Ag-Cu in dispersed region +Velická, I. 5=1853, Absorption of NaCl crystals +Velický, B. 5=12600, Band structure of CdSb Veljković, S. + 5=3795, Neutron damage in Mo and W Velten, J. M. + 5=4704, N.Q.R. student experiment +Veltman, M. 5=8383, ν interactions and time reversal Venable, R. L. + 5=12063, Adsorption and particle size for Al₂O₃-H₂O Venables, J. A. 5=9454, Interaction of dislocations Venart, J. E.S. 5=1430, Thermal and electrical properties of Cr-Cu Venart, J.E.S. 5=3329, Fluid thermal conductivity + Venevtsev, Yu. N. 5=1268, Phase diagram of PbTiO, -BiFeO, +Venevtsev, Yu. N. 5=9338, PbTiO, -CaSnO, and PbTiO, -CaZrO, +Venevtsev, Yu. N. 5=11997, BiFeO₃—LaAlO₃ system +Venezian, G. 5=2210, Free energy in fields +Venikov, N. I. 5=670, Light neutron nuclei +Venikov, N. I. 5=4907, Focusing system of magnets Venikov, N. I. + 5=10505, He⁺² ions in cyclotron source Venkatapathi Raju, B. B. + 5=14418, Neutron spectrum of Ra-Be +Venkataram, A. 5=9652, Superconductor magnetothermal effects Venkataraman, G. + 5=15032, NH₄ torsional oscillations in NH₄Cl +Venkatesha Murthy, A.S. 5=2746, 0 state in Zn68 +Venkatesha Murthy, A.S. 5=2765, log ft Values of β -transitions +Venkatesha Murthy, A.S. 5=2766, Enhancement in β -transitions +Venkatesan, D. 5=13432, Relationships during polar cap event +Venkateswara Rao, P. 5=15023, Crystal structure of ZnF2, 4H2O Venkateswarlu, K. + 5=8824, Potential constants of BH_ Venkateswarlu, K. + 5=11584, Raman lines of xylenes +Vennik, J. 5=6637, Dislocations in Si Vennik, J. + 5=15569, Optical properties of Si₂Te₃ +Venter, R. H. 5=5690, Reactions between complex nuclei +Ventura, L. $5=5398, \pi^- + p \rightarrow \eta^0 + p$ to 1151 MeV +Ventura, L. $5=14434, \pi^- p$ charge exchange +Venturi, I. 5=10975, Neutrino theory of light +Venugopala Chari, R. 5=11798, Plane gas flows. II Venugopala Rao, P. + 5=5593, Decay of Tl²⁰⁴ +Venus, W. 5=5321, Neutrino interactions +Venuti, G. C. 5=684. Binding energies in C¹² and Al²⁷ Venuti, G. C. + 5=8662, Absorption of pions by nuclei Venzke, G. 5=2128, Diffuse noise fields +Vepřek, S. 5=5931, Striations of positive column Vera, J. J. 5=8109, Periodical multi-layer films +Verbeke, O. 5=3406, Vapour pressure of methane Verbeke, O. + 5=4024, Resistivity and mobility in Ge +Verbeke, O. 5=6218, Vapour pressure of liquid argon +Verbitskaya, T. N. 5=12237, Ferroelectric ceramic VK-3 Verboven, B. 5=6831, Electron transport +Verbrugghe, R. 5=8153, Image quality in photographic microreproduction +Verch, J. 5=9925, W and Hf optical constants +Verde, M. 5=2368, Wigner's little group +Verdier, J. M. 5=13089, K acetyl phosphate i.r. spectra Verdiev, I. A. + 5=8275, Inelastic process amplitudes +Verdone, J. 5=9194, ErGa garnet crystal field +Vereschagin, L. F. 5=6481, Compact modification of silica +Vereschchagin, V. L. 5=11717, Energy, mass spectra of plasma Vereschchagin, A. N. + 5=5668, d scattering from Au and Bi Vereshchagin, I. K. 5=9934, Electroluminescence Vereshchagin, L. F. + 5=6454, Structure of gallium and indium Vereshchagin, L. F. + 5=9495, Colouration of ruby by 2-rays. +Veress, I. 5=2612, Neutron generator Verfurth, J. E. + 5=3444, Diffusivity of O2 in Ag and Cu +Verganelakis, A. 5=10977, γ —d Scattering and N polarizability +Verglas, A. 5=8474, K⁻P \rightarrow K*N and KN* at 3 GeV/c Vergnes, M. N. + 5=8528, E1 transition in deformed nuclei +Vergnolle, J. 5=5713, Hafnium by Van Arkel process Vergunas, F. I. + 5=1888, Electroluminescent film condensers Vergunas, F.I. + 5=12755, ZnS electroluminophors +Verhaegen, G. 5=5913, Dissociation energy of MgO, CaO, SrO Verhaeghe, J. L. + 5=12867, Thermal expansion and magnetic phenomena Verheijke, M. L. 5=545, Efficiencies of NaI(Tl) crystals Verheijke, M. L. 5=8375, NaI(T1) response to γ -rays Verhoeven, J. D. + 5=14864, Electrotransport in molten Bi-Sn +Verkhorobin, L.F. 5=1394, Strontium beryllide Verkhovtsev, V.S. + 5=14008, D.C. measuring amplifier

Veje, E. + 5=807, (p, α) reactions

Verkin, B.I. + 5=242, 3 cm superconducting resonator

Vilchis, I.C. 5=5296, Electromagnets, for bombarding particles

```
+Verma, A.R. 5=15009, Anomalous CdI2 structures
+Verma, G.S. 5=2271, Acoustic saturation of n.m.r. lines
+Verma, G.S. 5=9084, Spin-lattice relaxation in water
+Verma, G. S. 5=15060, Thermal conductivity of Ge-Si
Verma, P. + 5=9013, Stability, rotating plasma
Verma, P.D.S. 5=6066, Helical flow of anisotropic fluids
Verma, P. K. 5=14654, m-chlorophenol u. v. emission
Verma, R.D. 5=2984, A ^2\Delta-^2\Pi transition of SiC1 +Verma, Y.K. 5=9013, Stability, rotating plasma Vermaak, J.S. + 5=9459, Misfit dislocations in bicrystal
 +Vermeer, W. 5=6086, Heat conductivity of <sup>3</sup>He and <sup>4</sup>He
Vermilyea, D.A. 5=4404, Ta_2O_5 electrolytic double layer Vermilyea, D.A. 5=9701, Anodic oxide films
Verniani, F. 5=4644, Density, structure of meteors
Verniani, F. 5=7646, Ionizing efficiency of meteors
 Vernier, P. 5=15416, Photoelectric emission
+Vernon, F. L., Jr. 5=15305, Tunneling in superconductors
+Vernon, S. N. 5=12674, Superconducting InSb-β tin
Vernotte, P. 5=10357, Thermo-kinetic divergent series
Vernot, S. N. + 5=13347, Radiation at 200-400 Km
+Véron, D. 5=6023, Confinement time of hot plasma +Verrall, R. I. 5=5574, Protons following S^{29} decay
+Verrall, R. I. 5=11260, Protons in Ar^{33} decay +Verroust, G. 5=14384, 30 Channel hodoscope
 +Verschueren, M. 5=9810, Magnetic interaction in K<sub>2</sub>NiF<sub>4</sub>
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 Vertse, T. + 5=11010, Transmission of S^{35} \beta's in air
 Vertsner, V. N. + 5=10496, Mirror-raster electron microscope
 Vervier, J. 5=8534, Effective charges for E2 transitions
 Vervier, J. 5=8548, Nb94 low-lying states
Vescan, T. T. 5=7545, relativistic cosmology
 Veselovskyı, P. F. 5=14857, Dipole relaxation in polymer
Veselý, V. 5=11638, Electron concentration in positive columns
Vesnin, Yu.I. 5=3457, Phase transitions in AgNO<sub>3</sub> and Ag<sub>2</sub>SO<sub>4</sub>
 Vest, R. W. + 5=12635, High-temperature transference number
 Vest, R. W. + 5=15346, ZrO<sub>2</sub> electrical and defect properties. I
 Vestal, M. L. 5=5813, Isotope effects in mass spectra
Vet. M. 5=99, Vibration modes of beams
+Veyrie, P. 5=8926, Air breakdown by lasers
+Veyrie, P. 5=9046, Air absorption of laser beam
Veyssie, J. J. + 5=6553, Specific heats of NLa and NNd
+Veyssie, J. J. 5=12309, Cd[Zn]SnAs, thermal properties
+Veyssie, J. J. 5=12915, GdN magnetic properties
 +Veyssié, M. + 5=4163, Er gallate magnetic susceptability
 +Veyssie, M. 5=9194, ErGa garnet crystal field
 +Veyssiere, A. 5=5292, Electron linear accelerator
Vibrans, G. E. 5=1033, Vacuum voltage breakdown
+Vicario, E. 5=1280, Evaporation techniques of thin films
+Vicentini-Missoni, M. 5=185, Ions in liquid helium II
 +Vichr, M. 5=9816, Magnetism of Mn ferrites
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 +Victor, J. 5=10738, Vision and touch
 Vidal, G. + 5=15179, Internal friction in Nb-Ti (4. 8\%)
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+Videla, G.J. 5=580, Slow neutron counting
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 +Vidro, L. I. 5=6674, Stresses in solids
+Viegas, J. R. 5=14620, Ramsauer effect on electron temperatures
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 Vieland, L. J. 5=6209, Phase diagram of Nb_Sb system
 +Viezee, W. 5=13271, Atmospheric H<sub>2</sub>O, CO<sub>2</sub> i.r. transmission
 +Vigdorchik, I. M. 5=4924, Hall cut-off in magnetron
Vigdorovich, V. N. + 5=3552, Purification of Al in zone refining +Vigier, J. P. 5=8230, Relativistic-rotator model
 Vigier, J. P. 5=14424, Intermediate vector mesons
 +Vigneron, L. 5=603, \pi^+d interactions at 4.5 GeV/c
 +Vigone, M. 5=11107, Branching ratio of \tau' decay
 Vigoureux, P. 5=2182, Electric units and atomic constants
Vigran, E. + 5=137, Rise time and loudness
 +Vigroux, E. 5=15657, Ox distribution in atmosphere
 +Vijayalakshmi, B. 5=2563, "Persisting baryon" +Vijayalakshmi, B. 5=2607, ^{\rightarrow} N<sub>2</sub> \alpha-particle m.f.p. in emulsions
 +Vijayaraghavan, P.R. 5=15032, NH<sub>4</sub> torsional oscillations
      in NH<sub>4</sub>Cl
 +Vijayaraghavan, R. 5=1808, N.M.R. in metals
+Vijayaraghavan, R. 5=9863, NMR in Co complexes
 Viktorov, A. 5=6526, Damping of ultrasonic waves
 Viktorov, I. A. + 5=2092, Scattering of Rayleigh waves
 +Vikulov, A. I. 5=7428, Uranium oxidation by Fe(111) ions
 Vilain, P. 5=693, Heavy He hypernucleus
Vilchis, I. C. 5=4892, Automatic magnetic measurements
```

```
+Vilcov, I. 5=848, Evaporation spectra of neutrons
+Vîlcov, N. 5=848, Evaporation spectra of neutrons
Vil'dgrube, G. S. + 5=12857, Louver-type photomultipliers
Villagrana, R. + 5=12155, Ordered domains of Ta<sub>64</sub>C
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Villarreal, E. + 5=3355, Conductivity in electrolyte solutions
Villarreal, E. + 5=7436, Electrical resistance of liquids
Villars, F. + 5=2802, Dipole photoeffect in O<sup>16</sup>
+Ville, M. 5=8474, K^-P \rightarrow K^*N and KN^* at 3 GeV/c
Villeneuve, A. T. 5=14114, Waveguide radiating into plasma
Villers, G. 5=6463, Properties of Mn<sub>2</sub>TiO<sub>4</sub>
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+Vincent, J.S. 5=2840, \alpha scattering by Ar<sup>40</sup>, Ar<sup>36</sup>, S<sup>32</sup>, Si<sup>28</sup> and O<sup>16</sup>. Vincent, J.S. + 5=9847, E.S.R. of phosphorescent quinoline
Vincent, P.I. 5=1540, Breaking stress of thermoplastics
Vinduška, M. 5=746, Mirror nuclei and \beta decay.
 +Vinek, G. 5=14894, Madelung energy of ionic crystals
 +Vinen, W. F. 5=12682, Abrikosov vortices in superconductors
+Viner, M. R. 5=7664, Radio observations of solar eclipse
 +Vines, J. 5=8649, (n, 2n) reaction cross-sections
 +Vinitskii, A. Kh. 5=5285, Ionization losses in emulsions
 +Vinetskii, R. M. 5=6925, Hall effect anisotropy in p-type Ge
Vinetskii, V. L. + 5=1789, Spin-lattice interaction
 +Vinetskii, V. L. 5=12970, Relaxation of F-centers
Vinetskii, V. L. + 5=13027, Stimulated radiation
 +Vinh Mau, R. 5=11121, \Lambda^{\circ} \beta decay
 Vinkalns, I. Zh. + 5=5800, Electron scattering by Li atoms
 +Vinko, L. 5=9212, Miscibility for KBr-KI system
 Vinograd, R. E. 5=13696, Satellites and tidal friction
 +Vinokurov, L. A. 5=9933, Exciting light in phosphorescence
Vinokurov, V.M. + 5=1801, E.P.R. of Mn2+ in CaF2
 Vinokurov, V. M. + 5=7240, Mn<sup>2</sup> e.s.r. in diopside
 Vinokurov, V. M. + 5=7242, Mn<sup>2</sup> e.s.r. in apatite
Vinokurova, L. I. + 5=15477, Dy and Tb magnetization
 +Vintovkin, S. I. 5=13037, Recombination radiation from CdTe
 +Vintu, V. 5=14664, Spectra of tributylbores
 Viola, V. E., Jr. + 5=14951, Graphite supporting films
 Violin, E. E. + 5=1874, Recombination radiation in SiC
 Violin, E. E. + 5=13126, Electroluminescence and photo-
      luminescence
 +Visčăkas, Yu. K. 5=6922, Electrical conductivity of CdSe
 +Viscido de Heras, L. 5=1906, Chemisorption and decomposition
     of H<sub>2</sub>O
 Visco, R.E. + 5=11893, Electroluminescence in aromatic
      hydrocarbons
 +Viscrian, I. 5=7144, Ni magnetomechanical phenomena
+Vishakas, Yu. 5=7028, Reciprocity law in photoinsulators
 Vishakas, Yu. + 5=7030, CdSe photoconductivity relaxation
Vishnevskaya, G. P. 5=3368, Paramagnetic relaxation in Gd(NO<sub>a</sub>).
Vishnevskii, I. I. + 5=7881, Thermal properties of materials
 Vishnevskii, I. I. + 5=15061, Effect of defects on thermal
      conductivity
 Vishnevskii, V. I. + 5=14044, Adjustable dummy load
 Vishnevsky, V. F. + 5=2560, Isobar state systems and decay mod Vishnevsky, V. F. + 5=8482, \Lambda by isobars in \pi-p interactions
 +Vishnyakov, V. A. 5=2553, Linear electron accelerator
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Viswanathan, K.S. + 5=2873, Thomas-Fermi potential correction
Viswanathan, K.S. + 5=4428, Surface gravity of the earth
 Viswanathan, R. 5=15163, Elastic properties of glasses
 +Vitale, B. 5=5174, Irreducible representations of SU<sub>3</sub>
 +Vitale, S. 5=8623, (5, \alpha) reaction in Cu, Ag, In and Au
+Vitale, S. 5=14522, Photodisintegration of Be<sup>9</sup>
+Vitanov, T. 5=9286, Ag (111) planes electrolytic crystallization
 +Vitkevich, V. V. 5=13778, Supercorona during 1959-1963
 Vitkov, M. G. 5=7107, Rotation of magnetisation vector
 +Vitkun, R.A. 5=4347, Quenching of Eu luminescence
 Vitman, F. F. + 5=6715, Strength of sheet glass
 Vitman, F. F. + 5=6728, Resistance of plastic metals to fracture
 +Vitol, I. K. 5=3550, Growing semiconductor layers
 +Vitovec, F. H. 5=3845, Fatigue cracks in Cu
 Vitovskii, B. V. + 5=12091, Growing layers on crystal
 Vitovskii, N. A. + 5=12353, n-Ge \gamma-radiation defect annealing Vitovskii, N. A. + 5=12576, Defect, impurity levels in
       semiconductors
  +Vitrikhovskii, N. I. 5=15501, E. P. R. of Mn^{2+} in CdS
 +Vitrikhovskyi,N.I. 5=12870, Magnetic susceptibility of CdS
+Vivargent, M. 5=11027, Nucleon-nucleon collisions
```

+Vizbaraite, J. 5=5739, Atomic e.s. interaction operator

+Vizbaraite, J. 5=5767, Transitions in nitrogen atom

```
Vizbaraite, J. + 5=14581, Spectrum of d/ and d<sup>9</sup>/ atoms
+Vizbaraite, Ya. I. 5=5137, Angular momentum operator
+Vizbaraite, Ya. I. 5=5155, 6i-coefficients
Vizir', V. A. + 5=10957, Magnetic field in synchrotron
Vlaar, N.J. 5=4778, Seismic pulse in semi-infinite medium
Vlaar, N. J. 5=4961, Antenna between two dielectric halfspaces. II
+Vlachý, J. 5=13637, Review of satellites and space probes
Vladimirov, N. P. + 5=7473, Natural electromagnetic field
Vlandimirova, M. V. 5=8577, Dosimetry of radioactive sources
Vladimirov, V. I. 5=14720, Plasma with Compton scattering
+Vladimirov, V. I. 5=15129, Creep-induced hardening
Vladimirov, V. V. 5=11640, Instability of positive column
+Vlasenko, A. I. 5=10907, Ions and scintillation counters
Vlasenko, V. G. + 5=10943, Spark chamber
+Vlasov, A.I. 5=1516. Stresses in copper powder
Vlasov, A. Ya. + 5=1743, Domain structure in magnetite
Vlasov, A. Ya. + 5=15768, Magnetic anisotropy of sediments
Vlasov, E. V. + 5=13963, Acoustical characteristics of jet
Vlasov, K. B. + 5=3681, Ultrasonics in metals in magnetic fields
Vlasov, N. A. + 5=2736, Heavy isotopes of H and N
Vlasov, N.A. 5=4546, Anti-matter in the universe
+Vlasov, V.I. 5=13778, Supercorona during 1959—1963
+Vlieger, J. 5=210, Maxwell's equations
+Vlieger, J. 5=10474, Atomic field equations
+Vlieger, J. 5=14058, Derivation of Maxwell's equations
+Vobecký, M. 5=2748, \gamma-spectrum of La isotopes
+Voci, C. 5=14434, \pi p charge exchange
Voci, C. F. 5=2576, Spark chamber for \gamma-rays
+Vodar, B. 5=11506, Raman spectra of Ho and No
+Vodar, B. 5=11949, Vapour pressures and critical points
+Vodar, B. 5=14592, H Lyman α trapped in solid
Vodička, V. 5=7880, Steady temperature in a plate
+Voena, G. 5=154, Resection of efferent cochlear fibers
+Voci, C. 5=5398, \pi^- + p \rightarrow \eta^0 + p to 1151 MeV
+Voegeli, O. 5=7148, Switching properties of Ni-Fe films
Vogel, H. + 5=1207, Conductance of organic liquids +Vogel, J. K. 5=12942, Ferrites of hexagonal structure
Vogel, P. + 5=5072, Metal grids for far i. r. spectroscopy
Vogel, U. 5=7982, Testing magnetic lenses
Vogit, G. 5=9987, Thermoluminescence spectrum of ZnS
Vogl. G. 5=322. Phase grating interferometer
Vogler, L. E. 5=2268, Lunar surface radio communication
+Vogt, E.W. 5=854, Fluctuations in C^{12}(C^{12}, \alpha)Ne^{20}
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+Vogt, O. 5=14313, Source for target preparation
 +Voigt, F. 5=2161, Temperature controller
Voigt, F. + 5=7109, Spontaneous magnetization of cubic
      ferromagnetics
+Voigt, F. 5=7196, Ferromagnetic resonance in Ni-Fe
+Voigt, F. 5=9832, Magnon-phonon resonance in ferromagnets
 +Voigt, G. 5=9970, Luminescence of precipitated ZnS
 Voigt, J. 5=4107, Reaction kinetic photoconductivity
 +Voigt, J. 5=15402, Photocurrents of CdS
 Voigt, J.W. + 5=1994, Electron bombardment heating
 Voisin, J. 5=2405, Foldy-Wouthuysen transformation
Voitenko, V.I. 5=14028, Linear phantastron
Voitovetskii, V.K.+ 5=5352, n-n S-interaction
 Voitovetskii, V. K. + 5=5453, p angular distribution in D(n,p)2n
Voitsekhivskyi, O.V. 5=3446, Four-component semiconductors
 Voitsenya, V.S. + 5=5984, Polarization of plasmoids
 +Voiutskii, S. S. 5=15075, Interdiffusion in polymers
 Vojta, G. 5=8025, Entropy in nuclear polarisation
 +Volant, J. 5=5863, LR. spectra of Ca<sub>3</sub>Al<sub>2</sub>O<sub>6</sub>. xH<sub>2</sub>O
Volarovich, M. P. + 5=7459, Waves in rock
Völcker, H. 5=14772, Controlled thermonuclear fusion
 Volenik, K. + 5=12036, Oxide layers on steel
  +Volger, J. 5=4001, Superconducting Pb-In alloys
 Völk, H. 5=9010, Electrostatic stability of plasmas
 +Vol'kenshtein, M. V. 5=12539, Calorimetric study of amorphous
      polymers
Volkenshtein, N.V. + 5=1607, Hall effect of gadolinium
Volkenshtein, N.V. + 5=1636, Superconductivity in V-Sc alloys
Vol'kenshtein, N.V. + 5=6843, HF resistivity and susceptibility
 Volkenshtein, N. V. + 5=12647, Temperature and electrical
      conductivity of Mo and W
```

```
Volkov, A.B. 5=2718, Shell-model in 1p nuclei
+Volkov, B. A. 5=15505, E. P. R. spectra in Si
Volkov, D. I. + 5=1615, Hall effect in Ni-Mo alloys
Volkov, D. I. + 5=7093, Magnetic properties of glasses
 Volkov, D. I. + 5=12648, Hall effect in Ni allovs
 Volkov, M. K. + 5=5234, Asymptotes of scattering amplitudes
Volkov, N. G. + 5=14365. Convection chambers
 Volkov, T. F. 5=14726, A. C. magnetic field in plasma
+Volkova, E.V. 5=1402, Structure of polytrifluorochloroethylene
Volkova, N.V. 5=12514, Ionic crystal strength
 +Volland, H. 5=13252, Locating thunderstorms
Volland, H. 5=15735, Solar flares and lower ionosphere
+Vollmer, A. 5=15531, Impact with fission products
+Vollmer, J. 5=10997, Cherenkov source symmetry influence Volodko, L. V. + 5=9117, Spectra of solutions of uranyl salts
 Voloshinskii, A. N. 5=3965, Ferromagnetics anomalous transport
Voloshinskii, A. N. 5=6838, Hall effect in ferromagnets
+Volovik, L.D. 5=3500, Vacuum-deposited copper
Volpe, M. L. + 5=9269, Device for cleaving crystals
 +Volpi, G. G. 5=3136, Ion-molecule reactions in C<sub>3</sub>H<sub>8</sub>
 Volpicelli, R. J. + 5=8032, R. F. spectrometer for n.q.r.
 +Volpicelli, R. J. 5=14050, Nuclear resonance gaussmeter
 +Volterra, V. 5=9842, Eu<sup>2+</sup> e.s. r. in CaWO<sub>4</sub>
+Volzhin, V. M. 5=10198, Preparation of uranium hydride
 Von, V. M. H. + 5=10551, Radar backscattering
Vonach, H. K. + 5=805, Cross-section in Mn<sup>55</sup> (p, \alpha)Cr<sup>52</sup>
Vonach, H. K. + 5=805, Isomer ratios in nuclear reactions +Vonach, H. K. 5=5659, Isomer ratios for (n, \gamma) reactions
Vonach, W.G. + 5=812, Neutron optical model absorption
 +Vonach, W. G. 5=11331, Au, Hg and Tl n-scattering
 +Von Baeyer, H.C. 5=2421, Statistics of unstable particles
 Von Blanckenhagen, P. + 5=3952, Radiation from Ag targets +von Brentano, P. 5=5617, Mg<sup>zo</sup>(p, p) by cross section fluctuations
 +Von Dardel, G. 5=5320, Neutrino interactions
 +Von Dardel, G. 5=8441. Intermediate boson in \nu interactions
 Vonderohe, R. H. + 5=8289, PHYLIS on-line computer
 von Döbeln, W. + 5=14487, Radon contamination
 Von Ehrenstein, D. 5=8543, Ar36,38 energy levels
 +von Engel, A. 5=1058, Electron swarms in H
+von Engel, A. 5=11628, Starting of ring discharge
 +von Gemmingen, F. 5=3856, Creep of austenitic iron allov
 v.Grote, K. H. + 5=14072, Electron microscope lenses, zone plates
 +von Grote, K. H. 5=328, Fresnel zone plates +von Handel, P. 5=8450, Exchange in \pi^* p \rightarrow p \pi^*\pi^0 at 4 GeV/c
 von Heimendahl, M. + 5=3613, Kikuchi line analyses
von Heimendahl, M. + 5=6415, Properties of TD-nickel
Von Herzen, R. P. + 5=13222, Heat flow at Mohole site
von Hippel, F. 5=691, \Sigma^r \to n + \pi^* decay and \pi^* emission +von Hippel, F. 5=5498, \pi^* emission in hypernuclear decay
 +von Hippel, F. 5=8267, Partial-wave amplitudes
 Von Hoerner, S. 5=7548, Cosmology and radio astronomy
 v. Jan, R. 5=3732, Defects in displacement cascades. II
 von Jan, R. 5=15087, Elongation cascade defects
 +von Jaskowsky, W. 5=14778, Pinch discharge switch
 +von Kenschitzki, C. H. 5=13596, Geomagnetic storms
 +von Kenschitzki, C. H. 5=13597, Discussion: geomagnetic storms
 +v. Minnigerode, G. 5=3505, Evaporated metal films
 +Von Moelendorff, U. 5=11262, Mott asymmetry at 100 keV
 +Vonnegut, B. 5=10072, Rain and hail after lightning
 +Vonnegut, B. 5=12546, Adhesive silicate powders
 von Oertzen, W. 5=5578, K-capture of Ge7
 Vonosovskii, S. V. + 5=3914, Electron interaction in crystals
 von Roos, O. 5=8742, Optical transitions of atomic hydrogen
 +Von Winkle, W. A. 5=10041, Ambient noise in ocean
 Von Zahn, U. + 5=5966, Metastable molecule ions
 +Vook, F. L. 5=12369, Defects in InSb by X rays
 Vorob'ev, G. A. + 5=8931, Spark conductivity, pressure effect
 Vorob'ev, G. A. + 5=10413, Nsec pulse fronts recording
 Vorob'ev, G. A. + 5=10439, Nanosecond pulse generator
+Vorob'ev, G. A. 5=11619, Windows of discharge chambers
 Vorob'ev, Yu. V. 5=12826, Cu<sub>2</sub>O nonlinear photoconductivity
Vorob'eva, N. A. + 5=5930, Electrons in positive column
 +Vorob'eva, V. A. 5=4671, Composition of solar atmosphere
 +Vorobkevich, V. Yu. 5=14008, D.C. measuring amplifier
 Vorobyov, V.S. + 5=5995, Energy radiated by equilibrium
 Voronel', A. V. + 5=10387, Pt resistance thermometer
 Voronin, A. N. + 5=9215, Brignetting of thermoelement branch
      alloys
 Voronin, A. N. + 5=9734, Thermoelectric refrigerator
Voronin, A. N. + 5=9738, Ageing of thermoelement branches
 Voronin, V.S. + 5=2220, Pressure of intense plane wave
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+Völkl, J. 5=3841, α -rays and elasticity of pure Cu Volk-Levanovich, M. V. 5=5951, Alternating arc temperatures

+Volkenshtein, N. V. 5=15049, Specific heat of Pt-Gd alloy

+yölkl, J. 5=3840, α-rays and internal friction of Cu

+Volkman, R. A. 5=15708, Auroral arc over Alaska

+Voronina, I. P. 5=12049, Structure of PbTe films

+Voron'ko, Yu. 5=13762, X-ray radiation of sun Voron'ko, Yu. K. + 5=15545, Resonance spectra of Er3+ in CaF2 Voronkov, A. A. + 5=12196, Crystal structure of stilbellite Voronkova, N. M. + 5=12827, Photomagnetic effect GaAs Voronov, F.F. + 5=1550, Elastic properties of carbides Voronov, F. F. 5=12958, Cr antiferromagnetic transition Voronov, G.S. + 5=2213, Helical magnetic field Voronov, G.S. + 5=3189, Magnetic surfaces of helical fields +Voronov, G.S. 5=14357, Bubble growth in propane +Voronov, G. S. 5=10936, Bubbles in bubble chambers Voronova, A.A.+ 5=1378, Crystal structure of PbCO₃. PbO. 2H₂O Vorontsov-Vel'yaminov, B.A. 5=4600, Structure or galaxies +Vörös, T. 5=8582, Barrier penetrabilities in α -decay +Vosko, S. H. 5=3948, Electron gas at metal densities Vosko, S. H. 5=6519, Metallic Na exchange overlap potential +Vosko, S. H. 5=10295, Electron gas +Voss, J. 5=5553, Gamma-decay of 1174 keV Yb172 +Voss, K. 5=1134, Equilibrium of rotating fluid Vostryakov, A.A. + 5=3320, Viscosity and resistivity of Fe-P and Fe-S +Voyer, R. 5=12961, Magnetic properties of steel +Vrablik, E. A. 5=10072, Rain and hail after lightning +Vrana, I. 5=11083, π^--N interactions Vránová, M. + 5=7157, Ferrite properties in Suhl threshold Vrehen, Q. H. F. + 5=7228, Eu2+ e.s.r. in PbCl2 Vriens, L. 5=14610, Atomic ionization and excitation by electrons Vrzhetsiono, A. 5=12927, Anisotropy of Mn₅Ge₃ near Curie point Vu Din Kỹ.+ 5=15280, Galvanomagnetism in ferromagnetic films +Vu Van Qui, 5=7184, Magnetic structure of GeNi₂O₄ +Vugts, H. F. 5=6208, Thermochemistry of antimony +Vuillemin, M. 5=9005, Stability of plasma Vujnović, V. 5=8971, H plasma spectral dissolution +Vukanović, R. 5=5581, Two-quantum decay of In^{114m} +Vukanović, R. 5=14486, Electron directional correlation spectrometer +Vukotić, N. 5=976, Spectrum of anthracene +Vul, B.M. 5=9947, Radiative recombination in GaAs +Vul, B. M. 5=12502, GaAs energy level spectrum Vul, B. M. + 5=12760, Current-voltage characteristics of GaAs +Vuletin, J. 5=811, Neutron scattering on S32 Vul'fson, N. I. + 5=13263, Convective motions in clouds Vulis, L. A. + 5=7992, Magnetogasdynamics of Couette flow Vulliet, W. G. 5=7834, Radiation from shocks in Xe, Kr, Ar +Vyalov, G. N. 5=14376, Ion beam deflector Vyatskin, A. Ya. + 5=14067, Penetration of electrons through +Vyrbanov, B. 5=8522, Summed coincidences Vyshnevs'kyi, V.N. + 5=4326, Refractive properties of NaI:Tl Vysin, V. 5=8211, Quantisation of spinor field Vyšin, V. + 5=10286, Specific heat of spin system Vyšín, V. 5=10348, Possibility of limiting temperature +Vysotskaya, A. V. 5=10915, Magnetic particle spectrometers +Vysotskaya, A. V. 5=10916, Magnetic particle spectrometer aberrations +Vysotsky, G. L. 5=827, Polarization in nuclear reactions +Vysotsky, G. L. 5=828, Deuteron stripping reactions Vystavkin, A. N. + 5=14017, Measuring small e.m.f.'s

+V'yugov, P. N. 5=6564, Thermal expansion of W, Mo, Ta, Ni and Zr V'yuhov, P. M. + 5=2127, Ultrasonic interferometer

+Waber, J. T. 5=5735, Wave functions for atoms and ions. I +Waber, J. T. 5=6425, Table of X-ray scattering factors +Wachter, P. 5=7335, Optical absorption of Eu chalcogenides +Wachtman, J. B., Jr. 5=3733, Relaxation of point defects in NaCl +Wachtman, J. B. Jr, 5=6767, Elastic compliances of rutile Wacker, P. F. + 5=14635, Spectral tables.I. diatomic molecules +Wacks, M.E. 5=3134, Electron-impact. III. Azulene and naphthalene Wacks, M. E. 5=5960, Ionization of H_2 , HD, and D_2 +Wada, M. 5=1856, Optical properties of ZnO crystals +Wada, M. 5=7840, Ultrasonic amplifier of CdS +Wada, M. 5=10849, Lie algebras of rank 3 +Wada, M. 5=11186, Triplet odd state Wada, T. 5=7285, N.M.R. in phosphomolybdic acid +Wada, W. W. 5=10815, Leptonic decay coupling constants Wada, Y. 5=767, Nuclear reactions +Wada, Y. 5=3283, Rheology of asphalt +Wada, Y. 5=15381, Dielectric relaxations Waddell, J. 5=7586, Source equality in multiplets

+Waddington, C.J. 5=663, H and He in cosmic radiation Waddington, C.J. + 5=2698, H isotopes in solar flares Waddoups, R.O. + 5=7769, Second postulate of relativity Wade, R. H. 5=9806, Magnetization of permalloy films +Wade, W. H. 5=11841, Liquid-liquid displacement +Wade, W. H. 5=12063, Adsorption and particle size for Al₂O₃-H₂O Wade, W. H. 5=12064, Coordination number of small spheres +Wadhwa, R. P. 5=7925, Noise in crossed fields +Wadsley, A. D. 5=3636, High temperature $\mathrm{Nb_2O_5}$ Wadsworth, J. 5=4794, Thermal blast waves Wadsworth, N. J. + 5=9541, Flow stress of Cu crystals +Wadsworth, N. J. 5=10212, Robust torsion balance +Wäffler, H. 5=2693, Decay of excited state of He⁶ Wagatsuma, G. 5=15112, F to M conversion in KCl Wagenblast, H. + 5=9559, Damping peaks in Fe-0. 01 %C Wagener, J. L. + 5=6976, Post-breakdown in p-i-n silicon diodes +Waggoner, M.A. 5=846, Be⁹(He³, \alpha)2He^{*} reaction +Waggoner, M.A. 5=847, B¹⁰(He³, \alpha)2He⁴ reaction Waghmare, Y.R. 5=2724, Nuclear spectroscopy +Wagholikar, R. R. 5=15655, Automatic anomemeter +Wagman, D. D. 5=15610, Decomposition of NaClO, and KClO, +Wagner, C. N. J. 5=9570, Deformation in b. c. c. metals +Wagner, D. 5=9778, Energy states from spin-wave theory +Wagner, F. 5=8200, Tamm-Dancoff anharmonic oscillator +Wagner, F., Jr. 5=4364, Electron response of NaI(T1) +Wagner, J. B., Jr. 5=12326, Reduction of wustite +Wagner, J. B., Jr. 5=12327, Diffusion of S in PbS crystals Wagner, H. 5=14212, Blackening of photographic plates by ions Wagner, K. H. 5=1032, Development of electron avalanche Wagner, M. 5=29, Resonances, metastable states in wave equation Wagner, M. 5=3661, Vibronic bands in crystals +Wagner, P.R. 5=1639, Conductivity in semiconductors Wagner, R.S. + 5=1313, Growth of Si from vapor Wagner, S. 5=198, Direct production of electric energy. II +Wagner, W. J. 5=6170, Acoustic transients in liquids Wagner, W. U. + 5=3567, Growing Ti-doped KCl Wagner, W. U. 5=7355, Absorption bands of KCl: Tl Wagner, W. U. 5=14986, KCl whiskers +Wagschal, J. J. 5=13113, Self-trapping in GdCl, 6G, O Wahab, M. A. + 5=14664, Spectra of tributylbores Wahl, A.C. 5=940, Homonuclear diatomic molecules Wahl, A. C. + 5=5834, Two-center molecular integrals. V +Wahl, F. 5=8200, Tamm-Dancoff anharmonic oscillator Wahlborn, S. 5=756, $2^{-}(\beta)2^{+}(\gamma)0^{+}$ decays of Rb⁸⁶ and Rb⁸⁶ +Wahlborn, S. 5=11240, Coriolis coupling in nucleus W¹⁸³ Wahlig, M.A. + 5=2639, Structure in π -p charge exchange +Wahlquist, H. D. 5=2047, Space-time congruences +Wahrhaftig, A. L. 5=3122, Appearance potentials Wahsweiler, H. G. 5=8531, Multiple Coulomb excitation +Wahsweiler, H. G. 5=11255, Single forbidden β -transitions +Waidelich, W. 5=15090, Defects in n-irradiated LiF +Wainfain, N. 5=5934, Cathode-fall in glow discharge Wainfain, N. + 5=8135, Interference structure in scattered light +Wainstein, C. 5=7215, E.S.R. in double nitrates +Wainwright, T. 5=66, Many-body problem study by computers Wait, J. R. 5=2250, Radiation in anisotropic media Wait, J. R. 5=2265, Tropospheric radio propagation Wait, J. R. 5=3164, Radiation from sources in a plasma Wait, J. R. + 5=4962, Loop antenna in conducting medium Wait, J. R. 5=6009, E.M. wave reflection from plasma-dielectric interface Wait, J. R. 5=10548, E. M. scattering by cylinder in plasma Wait, J. R. \pm 5=10549, E. M. scattering by a sphere Wait, J. R. 5=10569, Phase changes in v.l.f. propagation Wait, J. R. 5=10570, Void in compressible plasma +Wait, J. R. 5=10573, V.L.F. in earth-ionosphere waveguides +Wajda, E.S. 5=3722, Imperfections and Ga diffusion in Si Wakai, N. + 5=4501, Nocturnal variation of E region +Waksberg, A. L. 5=2283, Three-mirror laser system +Wałach, Z. 5=8758, Spectra of Mg II, Ca II, Sr II and Ba II Wald, G. 5=8179, Human color vision Waldmeier, M. 5=4654, Solar magnetism +Waldner, F. 5=2576, Spark chamber for γ -rays +Waldner, F. $5=5398, \pi^- + p \rightarrow \eta^{\circ} + n \text{ to } 1151 \text{ MeV}$ +Waldner, F. 5=14434, π^- p charge exchange +Waldner, F. 5=15492, Cr^{3+} and Fe^{3+} e. s. r. in $ZnAl_2O_4$ Waldner, M. + 5=4054, Characteristics of Si p-n junctions Waldner, M. 5=7046, Hot electron emission from Si +Waldner, M. 5=15572, Pairing energy of Li and B in Si Waldstein, P. + 5=4267, N.M.R. of D₂O ice.

Walecka, J.D. 5=439, Lepton pairs

+Walecka, J.D. 5=2827, Muon capture in nuclei +Walecka, J. D. 5=14401, Lepton production by neutrinos +Walecka, J. D. 5=14402, Neutrino production of π and K +Walecka, J. D. 5=14525, Magnetic electron scattering +Walentynowicz, E. 5=15403, Photoconductivity of CdS Wales, J. + 5=4691, Heating Si substrates to $> 800^{\circ}\mathrm{C}$ Walford, L. K. 5=9336, FeAl $_{6}$ crystal structure +Wali, K.C. 5=432, Possible $J^P = \frac{3}{2} + \text{octet}$ +Wali, K. C. 5=434, $J^P = \frac{3}{2}$ nonuplet Walin, G. 5=4446, Stability of stratified water Walitzi, E. M. 5=1381, Crystal structure of denningite +Walker, A. 5=9899, Transition metal salts i.r. spectra +Walker, A. 5=9910, Metallic nitrates far i.r. spectra +Walker, A. E. 5=11304, Ca⁴⁰ electron scattering +Walker, B.D. 5=793, (p, n) Angulardi stributions +Walker, B.D. 5=796, Neutron spectra from (p, n) reaction Walker, B. D. + 5=8635, n polarization in $C^{13}(p, n_0)$ and $N^{15}(p, n_0)$ Walker, B. D. + 5=8355, (p. n) Angular distributions Walker, B. D. + 5=11316, n from Be⁹(p, n₀) and B¹¹(p, n₀) +Walker, C. T. 5=12280, UO2 u. s. wave attenuation Walker, D. G. 5=15146, Annealing in BeO Walker, D. H. 5=11134, Backscattering of a from Pt and monel +Walker, J.C.G. 5=4478, Red line of O in airglow +Walker, J. K. 5=8387, Neutron and proton e.m. structure +Walker, J. K. 5=10939, Spark chamber in beam Walker, J. K. 5=13383, Aurora and magnetic disturbance +Walker, L. R. 5=5149, Harmonic oscillator relaxation Walker, R.G. + 5=4569, Infrared stellar irradiance +Walker, R. M. 5=10116, Cosmic-ray tracks in meteorite +Walker, T. G. 5=14441, $K_2^2 \to \pi^+ + \pi^-$ decay Walker, W. C. 5=1837, Optical transition in CdS Walker, W. C. 5=8151, Pile-of-plates polarizer +Walker, W. D. 5=8451, Strange particles in 3 BeV π^- + H +Walker, W. W. 5=11854, Positron annihilation in liquid crystals +Walkley, J. 5=2060, Quantum cell model. I +Walkup, J. F. 5=13306, Whistlers below protonosphere +Walkup, J. F. 5=15676, Whistler echoes +Wall, G. J. 5=14507, Half-life of ²³⁵U Wallace, D. C. + 5=6498, Stability of crystal lattices Wallace, D. C. 5=15029, Lattice dynamics of stressed crystals Wallace, J. + 5=12416, Energies of undissociated jogs Wallace, L. + 5=13366, Daytime airglow Wallace, P. R. 5=3950, Plasma and helicon resonances Wallace, P. R. + 5=12663, Josephson tunnelling in superconductors +Wallace, R. 5=8870, p-nitrosodimethylaniline internal rotation Wallace, R. M. + 5=11892, Spectra of multicomponent systems +Wallace, W. 5=12174, Computing X-ray diffraction patterns +Wallace, W. E. 5=1739, Magnetic characteristics of CeFe₂
Wallace, W. E. 5=3430, Mössbauer effect in Fe with Ti, Zr, Y, and lanthanides +Wallace, W. E. 5=4219, Magnetic Lanthanide-Ag compounds +Wallace, W. E. 5=6456, The structure of HoD, Wallace, W. E. 5=9357, Ta₂D structure +Wallace, W.E. 5=9772, Magnetic properties of lanthanide-Cu compounds +Wallenmeyer, W.A. 5=519 Mura electron accelerator, I +Wallenmeyer, W.A. 5=521, Mura electron accelerator. III +Wallenmeyer, W.A. 5=524, Mura electron accelerator. VI +Wallenmeyer, W.A. 5=525, Mura electron accelerator.VII +Waller, W. A. 5=8122, Grazing-incidence spectrometer +Wallerstein, G. 5=4561, Lithium in carbon stars Wallerstein, G. + 5=4562, Composition of yellow giants Wallerstein, G. 5=15802, Li⁶/Li⁷ ratio in stars Walles, S. + 5=8088, Image orientation +Wallez, P. 5=4797, A quartz ultrasonic transducer Walline, R. E. + 5=4219, Magnetic lanthanide-Ag compounds Walline, R. E. + 5=9772, Magnetic properties of lanthanide-Cu compounds Walling, J. C. + 5=14141, Maser satellite communication Wallis, R. F. 5=3663, Surface effects on lattice vibrations +Wallis, R. F. 5=12266, Surface tension and modes in lattices Wallner, A. 5=1958, Terrestrial magnetism +Walmsley, R. H. 5=7273, Fe[Co]Al n.m.r. Walmsley, S. H. + 5=3667, Intermolecular vibrations of solid CO₂ +Waloschek, P. 5=11074, Single pion production "+Waloschek, P. 5=11081, The $\pi^- p \to N_{33}^{*++} \pi^- \pi^-$ reaction Walrafen, G. E. 5=9115, GeO₂ Raman spectra +Walsh, D. 5=14112, Antenna in magnetoionic medium Walsh, R.J. 5=10, Measurement of layer thickness +Walsh, T.W. 5=4839, Ultrasonic convective cooling Walsh, W. M. Jr. + 5=6809, Spin-orbit coupling in W Walstedt, R. E. + 5=9872, Zeeman spin-spin relaxation in Pt

Walstedt, R. E. + 5=10403, Nuclear spin thermometry below 1°K Walstra. P. 5=5092-3. Light scattering by dielectric spheres Walt, M. + 5=8646, Neutron scattering and polarizability +Walt, M. 5=11177, Search for H4 and Li4 +Walt, M. 5=1336, Neutron cross section +Walt, M. 5=13410, Geomagnetically trapped particles Walt, M. 5=13416, Geomagnetically trapped electrons Walt, M. + 5=13421, Geomagnetically trapped particles +Walter, B. 5=1813, Two-proton spin system +Walter, C. H. 5=10546, E. M. scattering by gyrotropic cylinders Walter, F. J. 5=2515, Multiplication in Si surface barriers +Walter, F. J. 5=8698, Fission fragment energy experiments Walter, G. + 5=2510, Scintillation in stilbene Walter, G. + 5=8622, $C^{12}(\gamma, 3\alpha)$ at 17.6 MeV energy Walter, R. L. + 5=11040, Polarized n scattering from He Walter-Lévy, L. + 5=13156, Thermolysis of CaC₂O₄ hydrates +Walters, G. 5=11844, Standing gravity waves on water Walters, G. K. 5=13336. Behavior of the magnetosphere +Walters, G. K. 5=15761, K. and lunar phase +Walters, J. 5=14383, Observation of beam profiles +Walters, V. F. 5=2600, Positron lifetime +Walthard, B. 5=8393, Double focussing β-spectrometer +Walther, H. 5=11432, Eu hyperfine structure, electric n.q.r. Walton, A. K. + 5=333. "Melinex" polarizer +Walton, A. K. 5=15580, Garnet ferrites i.r. refractive index +Walton, R. B. 5=14539, Neutron capture cross section Walz, E. 5=6706, Mechanical damping in copper Wampler, E. J. 5=10136, Reddening line in UBV plot Wamser, C. A. + 5=14137, N.M.R. tubes for fluorine compounds Wanders, G. 5=10865, Singularities of S-matrix Wang Chi-chiang. 5=8070, Optical information capacity Wang, C.P. 5=190. Transistor integrator Wang, C.P. 5=535, Synchrotron injection +Wang, C.P. 5=563, Proton e.m. form factor.II +Wang, C.S. 5=7986, Magnetohydrodynamic flow +Wang Chung-yian. 5=8460, Low energy π - Λ P_{3/2} scattering Wang, F. E. + 5=6386, Growth of TiNi single crystals Wang Guo-wen. + 5=9900, Strain shifts on CuO lines Wang Guo-wen+ 5=9901, Strain splittings of CuO bands Wang Jun-Wêng. See Van Zhun'-ven. Wang, K.C. + 5=2235, Vortex sheet in compressible fluids +Wang Kwei-hua. 5=9263, Si dislocations and etch pits +Wang Loong-Seng, 5=5771, Absorption spectra of Ag vapour Wang, M. L. + 5=3269, Sound absorption in gases Wang, M. S. + 5=14194, Arc chamber for spectral excitation Wang, R. + 5=9347, The crystal structure of alunite Wang Shao-po. 5=6262, Study of Alnico alloys +Wang Shi-chun. 5=7101, Theory of ferromagnetic anisotropy Wang Shih-Yuan. 5=6739, Internal friction in molybdenum +Wang Shih-yuan. 5=9471, Dislocation internal friction in Mo Wang Shou-Chüeh. 5=4061, V-A characteristics of transistors Wang Shou-Yih, + 5=1236, Mössbauer absorption line spectra +Wang Wai-shen. 5=8454, Low energy π -N 3.3 scattering Wang Yeh-ning. + 5-6739, Internal friction in molybdenum Wang Yeh-ning. + 5=9471, Dislocation internal friction in Mo +Wang Yu-min. 5=9900, Strain shifts on CuO lines Wang Yung-Li. + 5=7176, Spin-flop phase of antiferromagnet Wang Zhu-xi. + 5=1152, Virial coefficients of H Wangh Ding-Sheng + 5=9827, Spin-wave spectrum Wangler, T. P. + 5=8451, Strange particles in 3 BeV π^- + H Wanic, A. 5=7166, Magnon scattering on pyrrhotite +Wanic, A. 5=7167, Spin fluctuation scattering of pyrrhotite Wanic, A. 5=9782, Some remarks on the investigation of neutron magnon scattering Waniek, R. W. + 5=3160, Cyclotron radiation from a plasma +Waniek, R. W. 5=15558, Faraday effect in magnetic fields +Wankling, J. L. 5=10913, Magnetic spectrometer +Wanklyn, J. N. 5=12756, \gamma-Flux ZrO2 conductivity Wanmaker, W. L. + 5=9938. Fluorescence of Tb; alkaline earth borates +Wanmaker, W. L. 5=9950, Fluorescence of Eu phosphors +Wanmaker, W. L. 5=13112, Eu-activated phosphors Wannier, G. H. + 5=1719, Susceptibility of bloch electrons Wannier, G. H. 5=13875, Proof of 2nd law +Wanuga, S. 5=9375, Microwave acoustics +Wapstra, A. H. 5=11265, The decay of 14.6 h *6Y Warburton, A. E. A. 5=10880, Regge trajectories +Warburton, E. K. 5=5677, Ne^{20} (d, p_{γ}/Ne^{21} reaction +Warburton, E. K. 5=8541, Quadrupole-dipole N^{14} 3. $95\to O_{\gamma}$ +Warburton, E. K. 5=8542, Levels of F^{18} by $O^{16}(He^3, p_{\gamma})$ +Warburton, E. K. 5=11220, γ -Rays from low F^{18} levels Warburton, F. + 5=13549, Sea waves induced magnetism

Watanabe, N. 5=12742, Dielectric constant of PbTe

```
+Ward, A. L. 5=5934, Cathode-fall in glow discharge
+Ward, C. 5=2639, Structure in \pi^--p charge exchange Ward, C. + 5=8314, Time-of-flight counter
+Ward, G. F. 5=7698, High-pressure belt liquid container
Ward, G. N. 5=13824, Fields associated with a moving point Ward, G. N. 5=14121, Fields of moving dipoles
+Ward, I. M. 5=6748, Polyethylene mechanical anisotropy
+Ward, J.C. 5=450. Gauge theory of interactions
+Ward, J.C. 5=8253, Electromagnetic and weak interactions
Ward, J.W. + 5=9091, Pu solubility in liquid Sn
Ward, R. E., Jr. 5=10653, Properties of the conical mirror
+Ward, R. G. 5=14841, Density of liquid metals
 +Ward, T. G., Jr. 5=7446, Radiolysis of LiBrO, by Li<sup>6</sup>
Ware, A. A. 5=6051, M.H.D. stability of toroidal plasma
 Ware, A. A. 5=11752, M. H. D. instabilities in a pinch
+Ware, R. M. 5=7026, Monosilicide electrical properties
 +Ware, W. E. 5=11349, A optical potential
 +Warfield, G. 5=4037, Surface states at Si-SiO<sub>2</sub> interface
+Warfield, G. 5=4043, Surface inversion in Si
Warich, L. P. 5=208, Quasi-stationary magnetic fields
Waring, W. + 5=7399, Luminescence in Si anodic oxidation
Wark, D.Q. + 5=4525, I.R. horizon sensing +Warlimont, H. 5=6295, Ordering of Fe<sub>3</sub>Al and Cu<sub>3</sub>Al
+Warlimont, H. 5=6632, Dislocation generation in Fe-C +Warman, J. M. 5=7447, \rm O_3 from \rm O_2 by ionizing radiations
Warneck, P. 5=4408, Photolysis of carbon dioxide. II
Warneck, P. 5=7444, O reactions in CO<sub>2</sub> photolysis
 +Warner, J. 5=4310, Energy-gap variation in InAs-InSb
 +Warner, J. 5=4456, Heat and vapor in atmosphere
+Warner, J. 5=6376, Preparation of InAs-InSb alloys
 +Warren, A. C. 5=12682, Abrikosov vortices in superconductors
Warren, B. E. + 5=9256, Elimination of Compton component
Warren, B. E. + 5=9331, Diffraction pattern of carbon
 Warren, B.E. + 5=12030, Surface reflection of X-rays
 Warren, R.W. + 5=3776, Relaxation of F centers in KCl
 Warrikhoff, H. F. H. 5=8319, X-ray cells for dosimetry. I.
 Warrikhoff, H. F. H. 5=14398, X-ray cells for dosimetry. I-III
 Warschauer, D. M. 5=3868, Black P as strain gauge
 +Warshawsky, I. 5=1190, Absorption spectra of molten Li, Na, K
 +Warshawsky, I. 5=9116, Na absorption spectra in liquid NaI
Warty, M.D. 5=632, Angular distribution of K^-p Warup, P.S. + 5=9812, Faraday rotation in ferrites
 Warwick, J.W. + 5=4631, Radio emissions from Jupiter
 Warzee, M. H. + 5=15011, Phases in PbO-La<sub>2</sub>O<sub>3</sub>, Gd<sub>2</sub>O<sub>3</sub>, and Sm<sub>2</sub>O<sub>3</sub>
 +Washburn, J, 5=6628, Dislocation loops in Al
+Washburn, J. 5=9487, Stacking faults in Co
 Washburn, W. K. + 5=14798, Hypersonic sphere wake
 Washimiya, S. 5=13044, Absorption spectrum of Co2+ ion
 Washington, W. M. 5=10053, Adjustment to geostraphic equilibrium
 +Washwell, E. R. 5=5013, Pb-salt infrared lasers
 Wasilik, J. H. + 5=12516, Elastic constants of PbF<sub>2</sub>
 Was lewski, R.J. 5=15100, Stacking faults in b. c. c. lattice
 Wasley, R. J. + 5=10318, Shock and free-surface velocities
 +Wassenaar, T. 5=14806, Thermodynamic properties of Ne
 Wasserburg, G. J. + 5=13219, Heat production in Earth
 +Wasserman, E. 5=3346, Energy transfer in solution
 +Wasserman, E. 5=9126, Intermolecular energy transfer
 +Wasserman, E. 5=14666, ESR of organic triplet states
 Wasserman, G. S. 5=8934, Xenon arc lamp
 Wasserman, M. L. + 5=1167, Profile of rotating liquid
+Wasserroth, K. 5=14558, Oxyhydrogen reaction in reactor
      simulator
 Wasserstrom, E. + 5=8987, Electrostatic probes
 Wassink, H.W. + 5=1098, Plasma boundaries with e.m. waves
 Wasson, O. A. + 5=5657, Neutron capture in Cl, V, Mn, and Co
 Wasson, O. A. + 5=11344, Neutron capture in Cu
 Wasson, J. T. 5=13641, Radioactivity in Sputnik 4 fragment
 +Wataghin, A. 5=5378, Scattering of BeV/c \mu in emulsion
 +Wataghin, V. 5=457, Neutral vector boson
Wataghin, V. + 5=11031, High-energy p—p scattering
 Watanabe, A. 5=11895, Solubility of electrolyte and dielectric
       constant of organic solvent
 +Watanabe, D. 5=3616, Satellites in electron diffraction
 +Watanabe, D. 5=12187, Al-Ag electron diffraction patterns
 Watanabe, H. + 5=1856, Optical properties of ZnO crystals
 +Watanabe, H. 5=6259, E.S.R. and E.N.D.O.R. of CdTe: Mn<sup>2*</sup> Watanabe, H. 5=6828, Al L<sub>II.II</sub> level excitation
 +Watanabe, H. 5=7187, Magnetic structure of MnHg
 Watanabe, H. 5=7237, Fe<sup>3+</sup> g-value in II-VI crystals
 +Watanabe, H. 5=7258, Superhyperfine structure in \rm SnO_2: V<sup>4+</sup> Watanabe, H. + 5=12773, Reliability of Esaki diodes
 +Watanabe, K. 5=11100, Pion-pion resonance
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Watanabe, S. 5=720, Doublet splittings in Y<sup>90</sup> +Watanabe, T. 5=5368, n spectrometer backgrounds
+Watanabe, T. 5=5959, Fragment ions from carbon dioxide
Watanabé, T. + 5=6423, Fourier analysis of crystal structure
Watanabe, T. 5=11449, L absorption spectra of Xe
+Watanabe, T. 5=15679, Micropulsation whistlers
+Watanabe, Y. 5=1643, Electron mobility in CdS
+Watari, W. 5=2606, Nucleon-nucleon scattering. II.
+Watari, W. 5=11186, Triplet odd state
+Watari, W. 5=14411, Boson width and N—N scattering
Water, P.J., Jr. + 5=10644, Stokes' shift in ruby R<sub>1</sub> lines
+Waterman, P.C. 5=28, Multiple scattering of waves. II
Waters, J.R. 5=5259, Scintillation chamber-image converter
+Waters, J. R. 5=10160, Cosmic X-rays in Scorpius and
      Sagittarius
Watkins, C.D. + 5=15696, Transequatorial radio echoes
Watkins, C.D. + 5=15739, Radar observations of ionisation
+Watkins, C. D. 5=15852, Meteor trails at 300 Mc/s
+Watkins, C.E. 5=2104, Oscillating air pressures
Watkins, J. 5=7950, Magnet with stepped gap
+Watson, A. A. 5=2538, Expansion cloud chambers
+Watson, B. J. 5=2143, Binaural lateralization of clicks
Watson, B. W. 5=2365, Digital dosimeter for X-ray therapy +Watson, B. W. 5=2573, P-N junction photovoltaic detector
Watson, H. L. 5=11115, Solution to bootstrap problem
+Watson, J. K. G. 5=11485, Axis-switching in molecules
 +Watson, K. M. 5=2423, S-matrix theory
+Watson, K. M. 5=10894, Scattered-particle intensities
Watson, P. K. + 5=9144, Conduction processes in liquids and solids
+Watson, R. E. 5=12609, Spin-orbit parameter \xi_5 in W
Watt, J.S. 5=358, X-ray sources
+Watt, L.A. K. 5=9414, Diffusion of Cd in InSb
Watts, B. R. 5=3924, Fermi surface of beryllium
Watts, H. 5=3278, Kr<sup>85</sup> diffusion in Kr-He, Ne, Ar, Xe mixtures
 +Watts, T. L. 5=10981, \gamma-p Interactions, 0.5-4.8 BeV
+Watts, T. L. 5=11019, N_{33}^* (1238), \rho^\circ production Watts, V.S. + 5=5905, Ethylenic J_{\rm gem} values
 +Waugh, J. S. 5=12336, Oxygen diffusion in SrTiO<sub>3</sub>
Waxler, R. M. + 5=3337, Optical dispersion of C6H6, CCl4 and H2O
Waxman, A. + 5=6921, Electron mobility in CdS films
 +Wayman, C.M. 5=1296, Internal twinning in martensites
 +Wayman, C. M. 5=6293, \alpha \rightarrow \gamma transformation in iron
Waymouth, J. F. 5=3181, Probe perturbation of a plasma
 +Waynant, R.W. 5=1490, Laser damage for glasses
Wazzan, A.R. + 5=6731, Diffusivity in Ni
 Wdowczyk, J. 5=5469, Origin of primary cosmic photons
 +Wdowczyk, J. 5=5471, Effect of photon showers
 Wdowczyk, J. 5=13679, Origin of primary cosmic photons
+Weagley, R. J. 5=5008, CaF<sub>2</sub>:Dy<sup>x+</sup>laser
 +Weale, R. A. 5=10743, Properties and cone pigments
 +Weart, H.W. 5=11933, Comments on entropy in entectic freezing
 Weaver, C. + 5=15376, Breakdown in dielectric films
+Weaver, C. F. 5=3084, H-D kinetic-isotope effect
 Weaver, D. L. + 5=11002, (3, 3) resonance by neutrinos
 +Weaver, H. 5=8370, B targets for \gamma -ray production
 +Weaver, H. E. 5=8028, N.M.R. spectroscopy
 +Weaver, L. D. 5=5748, Electron-He collision radiation
 Webb, E. K. 5=7483, Thermal fluctuations in atmosphere Webb, F. J. 5=4858, Liquid argon cryostat
 +Webb, F. J. 5=8810, Molecular motion in ortho-H
  +Webb, G. A. 5=5875, Properties of transition metal ions
 Webb, H. D. + 5=13461, Ionospheric oscillations
 +Webb, J. W. 5=1146, Mass flow and velocity of gas
 Webb, M. W. 5=15016, NH<sub>3</sub> ion X-ray scattering curve +Webb, W. 5=6127, Compressibility of liquids +Webb, W. 5=6154, Transport properties of liquids
 Webb, W. L. 5=10058, Stratospheric solar response
 +Webb, W.W. 5=1634, Magnetization of superconducting
      Nb-25% Zr
 Webb, W. W. 5=6391, Growth of palladium whisker crystals
+Webb, W. W. 5=9645, Annihilation instability in superconductors
 Webber, S. + 5=1585, Exciton states of crystalline neon
 +Webber, W. R. 5=662, p and \alpha-particles in cosmic radiation +Webber, W. R. 5=11142, Primary cosmic-ray variations Webber, W. R. +5=11143, Low rigidity cosmic rays
 Weber, A. 5=981, Raman spectrum of chloroform
  +Weber, G. 5=7232, Ho ethylsulphate paramagnetic relaxation
+Weber, G. 5=11027, Nucleon—nucleon collisions
  Weber, H. 5=2302, Oscillations pulses of ruby laser
  +Weber, H. 5=9942, CdS electric fields and cathodo-luminescence
  +Weber, H. 5=5400, Resonance production by \pi + p
```

```
+Weber, J. 5=15493, E. S. R. of Cr diethyldithiophosphate
Weber, N. + 5=1441, Migration of Nd ions in glass Weber, R. 5=9919, Phonon absorption in NaCl
+Weber, T.A. 5=2385, Wavefunctions for Dirac particle
Weber, W. M. 5=7336, Anisotropic K-absorption in Ga
+Webster, B. C. 5=3008. Erratum: d-orbits of S +Webster, C. B. 5=5465, \alpha and \beta proportional counter
Webster, H. F. + 5=4131, Thermionic emission microscope
+Webster, H. F. 5=6342, (110) Preferred orientation in tantalum
+Webster, I. B. 5=719, Decay of Br<sup>82</sup>
Webster, J. + 5=7310, Voigt effect in semiconductors
Webster, J.C. 5=142, Speech-interference and articulation-index
     confours
Webster, J. C. + 5=13970, Pitch shifts
+Webster, M. 5=493, Čerenkov counter monitor
+Webster, M. 5=2558, Fractionally charged particles
+Webster, M.W. 5=2689, Existence of \Omega-hyperon Weddeling, F. K. 5=9235, Sr f.c.c. to b.c.c. transformation
+Wedemeyer, E, H. 5=15267, Resistance in exploding wires
+Wedepohl, P. T. 5=1486, F centres of potassium iodide
Weder, E. 5=10383, Ultrasonic thermometer for low temperatures
+Wedler, G. 5=1906, Chemisorption and decomposition of \rm H_2O +Wedler, G. 5=9250, Chemisorbed \rm D_2 and \rm H_2 exchange +Wedler, G. 5=9636, Pd electrical properties, H adsorption +Wedler, G. 5=10015, Decomposition of \rm H_2O chemisorbed on Ni
 +Weekes, T.C. 5=13683, Cosmic \gamma flux limit
 +Weeks, L. H. 5=13491, Minor D-region event
Weeks, R.A. + 5=7233, He.s.r. in quartz
+Weeks, R.A. 5=7262, Yb<sup>3+</sup> and Er<sup>3+</sup> e.s.r. in ThO
+Weenink, M. P. H. 5=4903, Relativistic motion of charged particle
+Weenink, M. P. H. 5=8993, Electrons in r. f. field
 +Wegener, H. 5=9204, Energetic primary atoms in crystals
Wegener, P. P. 5=1891, Reaction rates
Wegener, P. P. + 5=11872, Surface tension of liquids
Weger, M. + 5=6899, Superconducting transition temperature of
      V.Si
+Wegner, H. E. 5=2845, New reaction Mg<sup>26</sup>(He<sup>4</sup>, He<sup>5</sup>)Mg<sup>24</sup>
+Wegner, H. E. 5=6663, Energy loss in Si
+Wehner, G. K. 5=3792, Ge, Si, InSb, and InAs sputtering
+Wei, C. 5=8137, Ge i.r. interferometer
Wei Ding-wen. + 5=10048, Atmospheric O<sub>3</sub> vertical distribution
Wei, L. Y. 5=12768, Hot-electron loss in semiconductors
+Wei, L. Y. 5=6958, Germanium-silicon heterojunctions
+Weibracht, R. 5=2505, Scintillation counter for spectrometer
 +Weichert, N. 5=8392, Electron energy analyser
Weidemann, V. 5=4537, Density crises in cosmos
Weidenmüller, H. A. 5=417, SU(3) symmetry
+Weidner, V. R. 5=13788, Spectral properties of plants
Weidenthaler, P. 5=6308, Polymorphic transitions in KNO<sub>3</sub>
+Weigel, D. 5=1375, Crystallography of solid wüstite
Weigel, M. 5=8511, rapidly decreasing potentials
 +Weigert, A. 5=7574-5, Stellar evolution, I-II
 +Weigl, J. 5=8450, Exchange in \pi^+ p \xrightarrow{\pi} p \pi^+\pi^0 at 4 GeV/c
 +Weigmann, H. 5=1068, Cross-section for K-ionization
 Weiguny, A. 5=14630, Nonlinear, triatomic molecules
 Weiher, R. L. + 5=4029, Magnetoresistance of indium oxide
 Weijts, A. G. L. M. + 5=9780, Measurement of Curie-points
 Weik, H. + 5=12891, Ferromagnetic coupling constant
Weil, H. + 5=14112, Antenna in magnetoionic medium
 +Weil, L. 5=12292, Specific heat of Fe-Au
 Weil, N. A. + 5=6689, Fracture in stressed brittle materials
 Weiler, M. H. + 5=10757, Transformation of operator
       equivalents
 +Weimer, K.E. 5=9018, Stellarator hydromagnetic instability
 Weimer, K. R. U. + 5=4923, Beam-plasma interaction in T.W.T.
 +Weimer, P. K. 5=6921, Electron mobility in CdS films
Weinberg, J. L. 5=7650, Zodiacal light at 5300 A
+Weinberg, J. M. 5=318, C. N. + N.O flame
+Weinberg, R. B. 5=5679, Deuteron stripping on Mg<sup>26</sup>
Weinberg, S. 5=217, Hose instability dispersion relation
 Weinberg, S. 5=2569, Do hyperphotons exist
Weinberg, S. 5=8489, Evidence that d is not elementary
Weiner, J. H. 5=1499, Dislocation velocities
Weingart, J. M. + 5=2350, Electronic polarimeter techniques
Weinreich, O. A. + 5=8110, Semiconductor radiation sources
Weinstein, A. + 5=1993, Doser for microquantities of gas
4Weinstein, A.I. 5=179, Cryogenic-solid cooling
+Weinstein, J. 5=14186, I.R. absorption, computer averaging
       improvement
 Weinstock, J. 5=2076, Generalized master equation
```

Weir, C.E. + 5=4298, I.R. spectra of borates Weir, C. E. 5=15144, Compressibility of 11 materials +Weir, J. R. 5=12486, Mechanical properties of n-irradiated Be Weir, R. A. + 5=13431, Solar flare α and PCA Weirauch, W. 5=2747, K-conversion coefficient of Pd^{107m}, ^{109m} +Weisbecker, A. 5=11896, Dielectric study of liquids Weisberg, H. 5=14339, Time to pulse height converter Weisberg, H. 5=14352, Pile-up elimination circuit Weisberg, H. L. + 5=2537, Time to pulse height system +Weisberg, L.R. 5=1668, GaAs Tunnel diodes Weisbrod, S. + 5=13476, Radio wave phase interaction Weisbrod, S. + 5=13478, Phase interaction in ionosphere Weiser, G. 5=2281, Polarising device for lasers Weiser, K. + 5=285, Transverse modes in GaAs lasers +Weisman, I. 5=9873, Pt¹⁹⁵ resonance in Pt-Au +Weiss, A. 5=4272, N.Q.R. in Na²³ in Na₂S₂O₆ $2H_2O$ +Weiss, A. 5=8091, Optical detection systems +Weiss, E. J. 5=12646, Electrical measurements in La-Te + Weiss, G.H. 5=78, Relaxation of Lorentz gas +Weiss, G.H. 5=2075, Nonequilibrium thermodynamics +Weiss, G. H. 5=6504, Defect effects on lattice vibrations +Weiss, G. H. 5=10268, Random walks on lattices. II +Weiss, G. H. 5=13814, Isoperimetric problem Weiss, G.S. + 5=3654. Structure of triethylenediamine +Weiss, H. 5=4309, Polarizing effect of InSb in i.r. +Weiss, H. H. 5=3215, Cyclotron resonances in Hg discharge +Weiss, J. J. 5=9494, Colour centres in alkaline ice Weiss, K. 5=12300, Thermal expansion of AgBr Weiss, K. H. 5=14869, Proton relaxation in benzene +Weiss, M.S. 5=2802, Dipole photoeffect in O¹⁶ +Weiss, P.R. 5=3982, Superconducting alloys Weiss, R. + 5=1363, Structure of 3CaO, Al₂O₃, 6H₂O Weiss, R. + 5=6450, X-ray diffraction study of CuTiF₆, 4H₂O Weiss, R.J. 5=6804, Charge density in diamond +Weiss, R. J. 5=11960, Ionicity in GaAs +Weiss, R. J. 5=13072, X-ray scattering factors +Weiss, V. 5=6690, Crack initiation from elliptical holes +Weiss, Z. 5=2866, Critical assemblies of NPY +Weissbecker, A. 5=6194, Dielectric constant of solutions +Weissglas, P. 5=8973, Waves in electron-plasmas Weisskopf, V. 5=397, High energy physics Weisskopf, V. 5=2706, Nuclear structure Weisskopf, V. F. 5=5297, Elementary particle research in physics +Weisskopf, V. F. 5=11032, Large angle p-p scattering +Weissler, G. L. 5=8960, Mobility of ${\rm O_2}^+$ and ${\rm N_4}^+$ ions Weissman, A. + 5=12566, Interactions in crystals Weissman, I. 5=12844, Improved thermionic emitter: Th on W +Weissman, S. 5=3603, X-ray lattice measurements Weissman, S. + 5=5116, Yellow-blue sensitivity in vision +Weissman, S. 5=9072, Liquid compressibilities +Weissman, S. I. 5=8877, E. S. R. of metal chelates Weissmann, A. + 5=6803, Effective mass equation +Weissmann, E. 5=1652, Electrical conductivity of nickel-chromia +Weissmann, E. 4=15279, Electrical conductivity of nickelchromia +Weissmann, S. 5=3808, Stress-strain analysis:CuAu I. II Weisz, M. + 5=3835, Liquid phase from 430°C in Be Weisz, S. Z. + 5=4369, Two-photon absorption in anthracene +Weitkamp, C. 5=14349, Coincidence circuit with transistors Welander, P. 5=2154, Convective instability in fluid Welber, B. 5=4242, E.S.R. of neutral H in SrF, and BaF, +Welge, K. H. 5=3070, Fluorescence of NH3, N2H4, PH3 +Welge, K. H. 5=14641, Electron states in N₂, NH and PH +Weller, J. F. 5=15600, Triply-activated glass luminescence Weller, P. F. + 5=9211, Samarium doped CaF_2 type crystals +Wellner, M. 5=5413, Theory of ρ meson +Wells, E.J. 5=3060, F n.m.r. spectra of fluorides +Wells, E.J. 5=13138, Spin echoes and chemical exchange Wells, F. H. 5=8331, Buffer store sonic spark chamber +Wells, J. T. 5=11327, Inelastic neutron scattering +Wells, M. 5=12671, Superconductivity of metal carbides and nitrides Wells, R. A. 5=15842, Wright's plates of Mars +Wells, T.C. 5=1530, Magnesium-aluminium-silicon alloy +Welsh, H. K. 5=7008, Dielectric absorption in long-chain esters Welsh, N. C. 5=3879-80, Dry wear of steels.I-II Welter, L. M. 5=14035, Pulse-height analyzer Weltzin, R.D. + 5=6619, Precipitates and defects in Ge and Si Wemple, S. H. 5=12588, Transport properties of KTaO₃ +Wende, B. 5=2228, Electron reflecting microscope +Wendland, P. H. 5=1851, Electroabsorption spectrum in Si

+Weir, C. E. 5=3337, Optical dispersion of C_cH_c, CCl₄ and H_cO

Weinstein, P. + 5=7453, Electron probe microanalyzer

Weinstein, R. 5=8445, μ pair production

+Wendling, R. 5=5611, Photoprotons from Nb93

Weymouth, J.W.+ 5=1294, Orientations of cubic crystalls. II.

+Weymouth, J. W. 5=3736, Vacancy concentration in Na

```
+Wendt, K. 5=12589, Phonon-drag in Se
 +Weneser, J. 5=11181, BCS nuclear calculations
Weniger, S. 5=5765, Near u. v. absorption spectrum of Mg
 Weniger, S. 5=14597, Spectrum of aluminium vapour
  +Wenninger, H. 5=11267, Electron capture in Cd109 and
       internal conversion in Ag1
 Wentorf, R. H., Jr. 5=12103, Boron: another form
 Wentorf, R. H., Jr + 5=12730, Semiconducting diamonds
 Wentworth, R.A.D.+ 5=4308, Spectra of vanadyl anions
Wentworth, R.C. 5=13605, Enhancement of hydromagnetic
       emissions
 Wentworth, R.C. 5=13606-7, Production of hydromagnetic emissions. I-II.
 Wentzel, D. G. 5=7682, Cause of solar flares
 Wentzel, G. 5=10796, Static strong-coupling theory
 Wenzel, B. E. + 5=5648, Scattering neutrons by carbon
 Wenzel, J. 5=11622, Angular distribution from discharge
+Wenzel, J. H. 5=5015, Nd-doped borate glass lasers
  +Wenzel, J. H. 5=5023, Reflector for Q-switched laser
 +Wenzel, W. A. 5=11026, N isobar production by 7.1GeV p
+Wenzl, H. 5=12917, Irradiated Fe magnetic effects
 +Wenzl, H. 5=12930, Irradiated Ni magnetic effects +Werbrouck, A. E. 5=2673, K^+ \rightarrow e^+ + \pi^0 + \nu decay
 +Werbrouck, A. 5=11107, Branching ratio of \tau' decay +Werner, G. K. 5=14151, Simple He—Ne laser Werner, L. 5=8600, Lu<sup>1741</sup> electron capture decay
 +Werner, L. 5=14481, E1 transitions in Er167
 +Werner, Z. 5=9620, Hall coefficient measurements
 +Wernick, J. H. 5=6898, Flux distribution in superconductors
 +Wernick, J. H. 5=9857, ESR and NMR in La<sub>1-x</sub>Th<sub>x</sub>Ru<sub>2</sub>
  +Wernick, J. H. 5=15521, N. M. R. of Rh103 in rhodium
 +Wert, C. 5=1547, Internal friction in Ta and Nb
 +Werth, G. 5=11545, Hyperfine structure Stark and Zeeman effect of Na<sup>23</sup>F<sup>19</sup>
 +Werthamer, N.R. 5=1629, Superconductivity in Cu and Pt
Wertheim, G. K. 5=7701, Mössbauer effect
Wertheim, G. K. + 5=9203, Fe<sup>57</sup> Mössbauer effect in corundum
 +Wescott, E. M. 5=13217, Telluric currents
 +Wesolowski, J. 5=2602, Directional distribution of photons Wess, J. 5=5227, Scattering with SU(3) invariance
 +Wess, J. 5=14263, "Super-Lorentz group" L
 Wessel, W. 5=11005, Theory of electron
 Wessel, W. R. + 5=5922, (p_-\mu_-p)^+ Molecular ion +West, D.R. F. 5=1440, Diffusion in the Cu-Al system +West, F. G. 5=2208, Measurement of weak fields West, G. W. 5=9859, NMR in intermetallic compounds
 +West, R. G. 5=7168, Magnetic properties of ilmenite-hematite
 Westbrook, D. R. 5=2033, Torsional rigidity of tubes
+Westbrook, J. H. 5=6757, Hardening by oxygen-vacancy
     interactions
 +Westcott, C. H. 5=5662, Neutron cross section of Pu<sup>24</sup>
 Westcott, M. R. 5=15721, International years of the quiet sun
 Westcott, P. 5=7672, 25 month period in sunspots
 +Westenbarger, G. A. 5=14895, Hyperfine fields in Fe lattice
 Westenbarger, G. A. \pm 5=14898, Ag nuclei polarization Westerfield, E. C. \pm 5=13223, Reverberation elimination on ships
 Westerhout, G. 5=7607, Radio structure of the galaxy
 +Westerlund, S. 5=2192, Hall effect multiplier
Westermann, F. + 5=244, Fabry-Perot interferometer for micro-
      waves
 +Westermeier, H. 5=10627, Mode patterns of CaWO<sub>4</sub> laser
 Westgren, R. C. + 5=3883, Alloys of W-Ta-Mo-Nb
 +Westin, R. 5=15345, Semiconduction in uranium dioxide
 Westlake, D. G. 5=3887, Precipitation strengthening in Zr-H
      containing O,
 Westlake, D. G. 5=15099, Zr-H cross-glide and twinning Weston, D. E. 5=7855, Echo ranging
 +Weston, J. A. 5=6365, Preparation of carbon disulfide
 +Weston, P. B. 5=10340, Waveforms of acoustic signals
 +Weston, R. E., Jr. 5=6148, Dissociation of HClO4 solution
 Westwood, A.R.C. 5=3824, Surface mechanical properties
 +Westwood, W.D. 5=7344, Spectra of Fe oxide films
 Wetherill, G. W. + 5=13218, Natural Cm<sup>247</sup> search
 Wetherill, G. W. 5=15862, Mo concentration in Fe meteorites
Wetstone, D. M. + 5=3224, Azimuthal plasmoid motion
Wettling, W. + 5=5055, Filter for far infrared
+Wetzel, K. J. 5=5657, Neutron capture in Cl, V, Mn, and Co
Wexler, S. 5=1045, Approximation for molecular fragmentation
Weyhmann, W. + 5=7318, Alkali spectra in rare-gas matrices
+Weyhmann, W. 5=8518, Apparatus for nuclear orientation
 +Weyl, P. K. 5=14838, Determining salts in aqueous solutions
 Weyl,R.+ 5=15301, Degradation of type II superconductors
```

```
+Whalen, D. L. 5=5768, Excited molecules in active N
+Whalen, J. 5=8344, Data with feedback to accelerator Whalen, J. F. =58293, Computer nuclear display
 +Whalen, J. F. 5=8303, Computer in a nuclear laboratory
 Whan Chan-Y. 5=12481, Yield point in Al-Cu
 +Wharton, C.B. 5=3210, Damping of electrostatic plasma waves
 +Wheat, M. L. 5=12516, Elastic constants of PbF<sub>2</sub>
 +Wheatley, G. H. 5=1478, Dislocation slip patterns in Si
Wheatley, J. C. 5=10404, Low temperature seals
Wheaton, J. E. G. 5=1712, Photoelectric yield of tungsten Wheaton, J. E. G. 5=5059, Lyman flashtube
Wheeler, A. 5=3265, Intermolecular forces for gases
Wheeler, E. E. 5=4849, Suppressed-zero thermometer
 +Wheeler, G. V. 5=10032, Analysis of N2 for H2
+Wheeler, J.A. 5=4554, E.M. waves from dense stars
 Wheeler, M. J. 5=12307, Thermal diffusivity by electron beam
      technique
 +Wheeler, R. C. 5=8958, NO, NO2 electron affinities
 +Whelan, J. M. 5=7394, Injection luminescence in GaAs
Whelan, J. M. 5=13115, Injection mechanisms in GaAs
+Whelan, M. J. 5=9485, Stacking faults
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Whetstone, C. N. + 5=12685, Superconducting Nb-Zr
Whetten, N. R. 5=4147, Cleavage of alkali halides
+Whiffen, D. H. 5=3051, ESR of the SeO, radical ion
+Whiffen, D. H. 5=3055, Hyperfine coupling constants
Whiffin, P. A. C. + 5=14983, Rh in ZnWO<sub>4</sub> single crystals
 +Whinnery, J. R. 5=2341, Low absorption measurements
+Whinnery, J. R. 5=8053, Transient effects in lasers
+Whippman, M. L. 5=416, Vector mesons
+Whippman, M. L. 5=10847, Strong-interaction symmetries
Whitaker, S. 5=11785, "Laminar entry in porous tubes"
White, A.D. + 5=274, Frequency stabilization of gas lasers
+White, C.E. 5=3026, Fluorescence of metal chelates +White, C.G. 5=3957, Positron annihilation in metals
+White, D. 5=3462, NMR of \lambda-anomaly in solid D,
White, D. J. 5=4098, Pyroelectric triglycine sulfate
White, D. R. 5=8821, O2 vibrational relaxation
+White, G. K. 5=3693, Thermal expansion of solids
+White, G.W.T. 5=3492, Film growth
+White, H. G. 5=4351, Luminescence of GaP diodes
+White, J. 5=2529, LiF thermoluminescence dosimetry
White, J. A. 5=10603, Interference in lasers
White, J. A. 5=10604, Traveling waves in lasers
 +White, J. E. 5=9568, Ni microplastic behaviour
White, J. G. 5=9360, ZnP2 crystal structure
White, J.S. 5=4857, Thermal data from Smith calorimeter
+White, J. S. 5=14932, Phase changes in Pu White, L. S. + 5=8076, Blue filter for the colorimeter
White, M. B. + 5=686, Br<sup>80,50m</sup> hyperfine structure, nuclear moment +White, M. B. 5=4999, Dual-polarization He—Ne laser
White, M. B. + 5=14602, Hyperfine structure of Lu<sup>176m</sup>
White, O.R. 5=4669, Temperature of solar chromosphere
+White, P. H. 5=2858, Fission of Pu<sup>240</sup> at 60-500 keV
White, P. H. + 5=14507, Half-life of 235U
+White, R. E. 5=14534, Determination of (p, n) thresholds
+White, R. S. 5=13414, Artificially injected electrons
Whitehead, J. D. 5=13503, Theory of sporadic E
+Whitehead, M. 5=14509, Shielding studies in steel II
+Whitehead, R. 5=4400, Electromagnetophoresis
+Whitehead, R. R. 5=11222, Photonuclear giant resonance in Si<sup>28</sup>
+Whitehead, W. D. 5=8621, (\gamma, n) cross-sections of C and Mg + Whitelaw, J. H. 5=3258, Viscosity of air
Whiteman, M. B. + 5=6643, Steel stacking fault energy
+Whiterod, G L. 5=5880, Electron impact spectroscopy. III
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Whitham, G. B. 5=4718, Non-linear dispersive waves
+Whiting, G. 5=3723, SiO<sub>2</sub> masking against P diffusion
+Whitmore, D. H. 5=9767, Zn de Haas-van Alphen effect
+Whitmore, F. C. 5=10980, Scattering of light by light
Whitney, E.D. 5=12022, Phase transformations of zirconia
+Whitson, A. L. 5=13285, Potential above radioactive ground
+Whitson, A. L. 5=15675, Fair weather potential gradient
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     p-H_2
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+Whitten, R. C. 5=13489, X-radiation in D region
```

```
Whitten, W. B. + 5=9373, Lattice vibration of Mg. Si
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+Whitton, J. L. 5=6660, Xe<sup>133</sup> ions in gold
+Whitwham, D. 5=9489, Cu solid solution deformation
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+Whitworth, T.G. 5-3288, Thermistor flowmeter
Wichmann, E. H. 5-5238, Scattering of wave packets
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     disturbances
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Wickersham, A. F., Jr. 5=13456, Ionospheric motions
Wickersham, A. F., Jr. 5=13458, Ionospheric motions by backscatter
Wickersheim, K. A. 5=3522, Water and hydroxyl on SiO<sub>2</sub>
Wickersheim, K. A. 5=9895, Infrared spectrum of boehmite
Wickersheim, K. A. + 5=11984, H<sub>2</sub>O, OH groups in beryl spectra
+Wicklund, A.W. 5=6894, Reactance of superconducting films
+Widder, F. 5=741, Decay rates by coincidence method +Widemann, F. 5=5588, W^{187} \rightarrow Re^{187} electron emission
+Wideroe, R. 5=740, Calorimetric dose measurements
+Widenlocher, G. 5=8883, N. U. R. study of gases +Widgoff, M. 5=5398, \pi^- + p \rightarrow \eta^0 + n to 1151 MeV
+Widgoff, M. 5=10981, \gamma-p Interactions, 0. 5-4.8 BeV +Widgoff, M. 5=11019, N_3^* (1238), \rho^\circ production +Widgoff, M. 5=14434, \pi-p charge exchange
Widmer, H. 5=3577, Epitaxial growth of Si on Si
 +Widom, B. 5=11929, Model for melting Ar
Widom, B. 5=13821, Radial distribution function
Wiebe, A. F. + 5=8133, Spectral transmission of system
 +Wieber, D. L. 5=5276, Scaler and read-out system
+Wiechers, G. 5=700, Energy levels in 2s1/2 1d3/2 shell
 Wiechmann, W. + 5=11341, Nuclear recoil in solids, V
 +Wiedemann, W. 5=9195, Hyperfine fields in Er
+Wieder, H. 5=288, Ruby laser during pulse
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 +Wienecke, R. 5=5952, Raising temperature of arc
 Wiener, E. + 5=9713, Hydrogen modes in KH<sub>2</sub>PO<sub>4</sub>
 +Wierzba, H. 5=12939, Square-loop ferrite cores
 +Wieser, E. 5=9343, Structure of ferrites with Mg
Wieser, P. F. + 5=6305, Phases in Mn-Si alloys
 Wigen, P. E. + 5=4226, Permalloy spin-wave resonances
Wiggins, M. J. 5=6983, 1/f noise in transistors
 +Wigley, D. A. 5=12650, Pu, Np, U resistivity variation
 Wigley, D. A. 5=12651, Annealed Pu resistivity
 +Wignall, G. D. 5=9085, Pauli susceptibility of Li
 Wikner, E. G. + 5=3791, Recoil Ge and Si atoms
 Wikner, E. G. 5=15325, Behavior of n-type Ge
 +Wilburn, C.O. 5=2524, Rugged nuclear particle detector
Wilchinsky, Z. W. 5=3530, X-ray diffractometry of polymers
Wilcox, B. A. 5=1548, Fatigue behaviour of tantalum
 Wilcox, B. A. + 5=12525, Fracture in H-charged Ni
 Wilcox, B. A. + 5=12526, Ni-ThO, creep fracture
Wilcox, J. M. + 5=3236, Ionizing wave in a coaxial plasma gun +Wilcox, J. M. 5=7648, Origin of interplanetary magnetic field
 +Wilcox, P. D. 5=6687, Strength-porosity relation
 Wilcox, W. R. + 5=9686, Au in Si: effect on resistivity +Wild, H. 5=8393, Double focussing β-spectrometer
 +Wild, J. P. 5=1988, Annular aerial systems
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 +Wild, P. 5=7396, HgGa<sub>2</sub>S<sub>4</sub>, a new phosphor
 +Wild, R. L. 5=1431, Thermal conductivity of EuS
 +Wilde, P. 5=8330, Analogue computer for spark chambers
 +Wilder, D. R. 5=15578, Absorption in UO<sub>3</sub>-SiO<sub>2</sub>-Na<sub>2</sub>O
 +Wildermuth, K. 5=856, Cluster model of nuclear fission, I. Wildey, R. L. 5=13187, Photometry of earth
 Wildman, P. J. L. 5=15773, Device, measuring electric field
 Wildt, R. 5=4774, Gray atmosphere. I
 +Wilenzick, R. M. 5=810, Neutron scattering spectra
Wilenzick, R. M. + 5=8642, Scattering of 6 MeV neutrons
 +Wiley, R. C. 5=13100, Shock-induced luminescence
 +Wilhelm, F. 5=12393, Diffusion imperfections in Si
 +Wilhelm, G. 5=1309, Gas-phase Nb<sub>3</sub>Sn
 +Wilhelm, M. 5=4309, Polarizing effect of InSb in i.r.
Wilhelmi, K.-A. 5=1366, Binary Cr oxides
+Wilhelmi, Z. 5=8436, Time-of-flight spectrometer
 Wilhelmsson, H. 5=4951, Interaction of e.m. wave with
      electron beam
 +Wilke, K. T. 5=9940, Luminescence of Ba-Ti-phosphate
Wilkens, M. 5=1557, Scattering of bloch waves
+Wilkens, M. 5=3588, Rolled texture of copper
 +Wilkens, M. 5=7106, Imaging of ferromagnetic domains
Wilkie, D. + 5=2157, Temperature measurement interferometry
```

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+Wilkin, C. 5=428, One-particle exchange forces Wilkins, B.D. + 5=5512, States at fission saddle-point
Wilkins, C. 5=5355, Average number of n collisions
Wilkins, E. M. 5=13253, Electricity and tornadoes
Wilkins, R. L. 5=8808, Absorption coefficients of chlorine
Wilkins, R. L. 5=13145, HCl and Cl. reaction rates
+Wilkinson, C. 5=12169, Spherically symmetrical form factors
+Wilkinson, C. A. 5=14439, N* resonances
Wilkinson, D. H. 5=683, Isobaric analogue states of A=24 Wilkinson, D. H. 5=8512, Isobaric mass formula
Wilkinson, D. H. 5=8513, Isobaric mass formula
+Wilkinson, D. H. 5=8538, Be<sup>9</sup> 2nd T = \frac{3}{2} state
+Wilkinson, E. L. 5=1008, Spin-lattice relaxation of
      p-dibromobenzene
+Wilkinson, E. L. G. 5=6963, Silicon p-n junctions
+Wilkinson, M. P. 5=9176, Freezing of eutectic mixtures
+Wilkinson, P. G. 5=11504, Absorption spectrum in CO
Wilks, E. M. 5=9548, n-irradiation and diamond polishing
+Wilks, J. 5=7903. Acoustic impedance of liquid He-3
+Wilks, R. 5=2494, Focusing collimator
+Wilks, R.S. 5=6657, Expansion of BeO
+Willard, H. B. 5=11370, O^{18}(\alpha, p) reaction and F^{21} decay
Wille, P. 5=4807, Sound diffusion by obstacles
+Willen, E. H. 5=14415, p-p scattering
+Willens, R. H. 5=9428, Vacancy concentrations in aluminium
Willets, F. W. 5=12172, X-ray diffraction line profiles
Willett, R.D. 5=1361, Crystal structure of (NH<sub>4</sub>)<sub>2</sub>CuCl<sub>4</sub>
+Willey, R. 5=2589, Self-energy of electron
+Williams, A. 5=488, Type 1383A \beta-\gamma ionization chamber Williams, A. 5=562, Tracer technique for disintegration rate
+Williams, A. 5=11250, Weighing techniques in radionuclide
      standardization
+Williams, A. E. 5=8731, Ions in mass spectrometers
+Williams, A. J. 5=1763, Square-loop polycrystalline garnets
Williams, A. O. Jr. 5=4796, Acoustic field of piston
+Williams, C.D. 5=2618, → n-transport in slabs
Williams, C. E. + 5=6265, Preparation of sintered CeO,
+Williams, C. E. 5=7857, Articulation-testing methods
+Williams, C. W. 5=8687, Cf<sup>352</sup> fission fragments
Williams, C.W. + 5=8698, Fission fragment energy experiments
Williams, D.D. 5=4522, Attitude sensing in satellites Williams, D.J. + 5=14453, Albedo neutrons in space
 +Williams, D. R. 5=11608, Intermolecular forces for overlap
Williams, E. L. + 5=6595, Na diffusion in glasses
+Williams, E. T. 5=14485, Gamma-ray spectroscopy
+Williams, F.E. 5=10585, Semiconducting masers
Williams, F. V. 5=1646, Electrical properties of gallium arsenide +Williams, F. V. 5=13148, BP and \rm B_6P thermodynamics
Williams, G. 5=1673-4, Complex dielectric constant. I-II
+Williams, G. J. 5=8772, Deactivation of Hg (6<sup>3</sup>P<sub>0</sub>) 5=8772
Williams, G. J. 5=12925, Si-Fe preparation for domain study +Williams, G. M. 5=5806, Spectra of potassium-foreign-gas
      mixtures
 +Williams, H. J. 5=4222, Magnetic susceptibility of PrO.
+Williams, H. J. 5=4213, Substitution of Co in YFe garnet
 +Williams, H. J. 5=7161, GdFe garnet studies
 +Williams, H.J. 5=7189, Properties of transition metal
      tungstates
 +Williams, H. J. 5=9814, Rare-earth iron garnets
 +Williams, H.J. 5=12944, Y-free ferrimagnetic garnets
 +Williams, H. J. 5=12953, Substitution of Ti4+, Cr3+ and Ru4+ in
       YFe garnet
+Williams, I. 5=1632, Superconducting behaviour of Nb crystals
Williams, I. P. 5=4592, Ages of stars in cluster Williams, I. P. 5=13706, Blue stars accretion
+Williams, I.R. 5=2784, Eu<sup>148</sup> alpha emitter
Williams, J. A. + 5=3526, Liquid immiscibility in glass
Williams, M. 5=12889, Mechanical analogue of a magnetic film
Williams, M. M. R. 5=865, Cooling coefficient for heavy gas
 Williams, M. M. R. 5=11393, Neutron flux perturbations. I
Williams, N. + 5=2742, Levels of Ar36
+Williams, N. 5=6510, Lattice bands in Ge
+Williams, P. G. 5=11779, Flow past plate
 Williams, R. + 5=8869, Fluorescence of naphthacene vapour
 Williams, R. 5=12803, Switching properties of BaTiO,
 Williams, R. A. + 5=10351, Interferometric radiometry
Williams, R.C. 5=280, Stimulated optical emission. II
Williams, R. H. 5=2239, Linear magnetoionic media
Williams, R. L. + 5=2524, Rugged nuclear particle detector Williams, R. O. 5=12489, Stored energy of copper
+Williams, R. V. 5=14761, Fluctuations pinched discharges Williams, R.W. 5=774, Nuclear cross sections
```

+Wilson, W. 5=14241, Poles in Feynman diagrams

```
Williams, R. W. + 5=8332, Spark chamber camera +Williams, R. W. 5=8504, m scattering and C^{12} structure
Williams, S. A. 5=11205, Rotational collective model
 +Williams, V. Z. 5=10646, Optics action program. III
Williams, W. + 5=4795, Acoustic radiation from cylinder
Williams, W.E. 5=13827, Diffraction by right-angled wedge
Williams, W. E. 5=14793, Scattering of long waves
+Williams, W. L. 5=261, Reproducible magnetic field sweep
+Williams, W. M. 5=9288, Secondary recrystallization in Zn
+Williams, W. T. 5=11669, Ionization growth constants in H +Williamson, C. F. 5=11339, (n, p) (n, \alpha) and (n, 2n) for F<sup>19</sup> and Na<sup>23</sup>
Williamson, G. K. + 5=15119, Fission product gases in UO2
Williamson, J. H. 5=14311, Angular distribution experiments
 +Williamson, M. A. 5=13101, M-shell fluorescence
+Williamson, R. C. 5=4862, Ultrasound propagation in liquid He Williamson, S. J. + 5=4158, De Haas-Van Alphen broadening
Williamson, S. J. 5=4231, \alpha Fe_2O_3 antiferromagnetic resonance
Willis, B. T. M. 5=6449, Neutron reflexions of fluorite
Willis, B. T. M. 5=6492, Structures of UO2, UO2+x and U4Oa
Willis, C.R. 5=912, Interacting radiation and matter Willis, D.M. 5=13601, First phase of geomagnetic storm
 +Willis, H. H. 5=5465, \alpha and \beta proportional counter
Willis, I. J. 5=11390, Flux ratios in a reactor
 Willis, J. + 5=8976, Microwave transmission through plasma
 Willis, J. + 5=10042, Shallow-water ambient noise
 +Willis, J. B. 5=13041, Absorption of C in Si
+Willis, J.S. 5=1630, Superconducting transition of Pb-In alloys
 +Willis, N.C.Jr. 5=2054, Statistical mechanics
Willis, W. + 5=2686, Sigma leptonic decays +Willis, W. 5=5450, Leptonic decays of charged \Sigma
+Willis, W.J. 5=2689, Existence of \Omega-hyperon +Willitts, T.R. 5=11027, Nucleon—nucleon collisions
 +Willmann, R. B. 5=5451, Search for two-body \Sigma^+ decay
Willmann, R. B. + 5=14447, Decay of \Sigma^+ to \pi^+ + N Willmarth, W. W. 5=10312, Reply to comments
+Willmore, A. P. 5=1955, Ion composition of F-region
+Willmore, A.P. 5=7530, Sporadic-E ionization
+Willmore, A. P. 5=13439, Measurement of electron temperature
+Willmore, A. P. 5=10092, Ion density in F-region
 +Wills, D. 5=10157, Interplanetary scintillation of radio sources
 Willson, A. J. 5=14779, Stability of two superposed fluids
 Willstrop, R. V. 5=15804, Measures of stellar radiation, II
 +Wilman, H. 5=12080, Surface re-orientation on Sb
 +Wilmshurst, T. H. 5=8022, Application of ammonia maser to e.s.r
 +Wilmshurst, T. H. 5=13001, H<sub>att</sub>, at Co in Co-Fe alloys
+Wilshire, B. 5=9523, Void growth during creep
 +Wilshire, B. 5=15175, Stress effects on Ni-Pd creep
 +Wilsky, K. 5=14485, Gamma-ray spectroscopy
Wilson, A. + 5=1370, Crystal structure of (NH_4)_2H_2P_2O_6 Wilson, A. G. 5=7610, Distribution of clusters of galaxies
Wilson, A. J. C. 5=3598, X-ray intensities. VIII
Wilson, A. J. C. 5=6434, Line broadening in diffractometry. IV Wilson, B. G. 5=5466, Conference on cosmic rays
 +Wilson, C. G. 5=3635, Ordering in binary \sigma phases
 +Wilson, C. R. 5=13585, Geomagnetic field line perturbations
+Wilson, D. J. 5=878, Core 5 of ZENITH
+Wilson, E. 5=2895, \beta-Ray stimulated X-ray spectra
 +Wilson, E. J. N. 5=11027, Nucleon—nucleon collisions
Wilson, E. T. 5=8154, Camera adjustments
Wilson, G. P. 5=10331, Transmission loss of aperture Wilson, G. P. + 5=10333, Diffraction of sound
Wilson, G. V. H. 5=1816, N.M.R. in FeCo and FeNi
 +Wilson, G. V. H. 5=10579, Kronig-Kramers relations in n.m.r.
Wilson, H. L. + 5=8677, Scattering of 22 MeV \alpha's by Fe<sup>56</sup>, Zn<sup>64,66,68</sup> Wilson, H. L. + 5=9699, CdSe transistors
+Wilson, M. 5=14606, PrI absorption spectrum
+Wilson, M. A. 5=14335, Pulse shape discrimination
+Wilson, M. N. 5=209, Insulation for pulsed magnet Wilson, O. C. + 5=7577, Activity and stellar age Wilson, O. C. 5=10144, Chromospheric activity and Li
+Wilson, O. W. 5=9280, High perfection InSb
Wilson, P. R. 5=4661, Photospheric structure
Wilson, R. 5=7660, Zeta/solar lines from 170 to 220A
+Wilson, R. 5=8387, Neutron and proton e.m. structure
Wilson, R. 5=10101, Stabilized skylark rocket, launching
Wilson, R. H., Jr. 5=4519, Magnetic torques on satellites Wilson, S. J. + 5=7813, Spherical geometry. I. -Diffusion Wilson, S. J. + 5=11053, Neutron transport problem
+Wilson, S.S. 5=4193, Spin density oscillations in alloys
+Wilson, T. B. 5=6307, Phase transitions in Nb-U alloys
+Wilson, W. 5=1351, Comparator for X-ray powder films
Wilson, W. 5=6362, Synthesis of beryl
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Wimmel, H. K. 5=1103, Plasma resonance probe
 +Winchell, P. 5=9190, Vaporization of uranium dicarbide
 +Winckler, J. R. 5=11139, Total cosmic radiation
 +Winckler, J. R. 5=11155, Cosmic rays in 1961:discussion
Wind, H. 5=1059, Dissociation of H2+ ion
 +Windle, D. W. 5=1956, Drift in F2 region
 +Windsor, C.G. 5=5867, Electron charge in octahedral
      complexes
+Windsor, C. G. 5=11964, Magnetic properties of Co complexes
 +Windsor, C. G. 5=15476, Dy<sub>3</sub>Al<sub>5</sub>O<sub>12</sub> antiferromagnetic structure
 +Windsor, M. W. 5=11541, Luminescence of rare-earth complexes
 +Winefordner, J. D. 5=9067, Vacuum valve
+Winegard, W. C. 5=9178, Thermal convection during solidificat
+Wing, G. M. 5=13893, Developments in invariant imbedding
Wing, J. + 5=2719, Nuclidic mass equation
Wing Tsang. 5=4387, Decomposition of alkyl halides
Wing Tsang. 5=13144, Decyclization of cyclohexene Wininger, J. L. 5=5595, Spectrum of Th(B + C + C")
Winkel, D. 5=14843, Pendant drop method for surface tensions
+Winkelman, J. R. 5=13344, Shape of magnetospheric boundary Winkelman, R. E. + 5=13526, Solar flares and F ionization
Winkler, E.W. + 5=14874, Au-Bi-Te system
 +Winkler, G. 5=12942, Ferrites of hexagonal structure
 +Winkler, H. 5=1812, Magnetic proton relaxation in H<sub>2</sub>O-Al<sub>2</sub>O<sub>3</sub>
Winkler, H. 5=2131, Room-acoustic measurements
Winkler, H 5=6125, Pressure drop across pumped canal
 +Winkler, H. 5=9990, I. R. effects on Roentgenoluminescence
+Winn, W. P. 5=11643, Streamer propagation model
 +Winslow, F. R. 5=12325, Fission-gas release from Fe-20%Cr
Winslow, F. R. + 5=14945, Ag surface free energy
Winter, E. + 5=10499, Current pulse in vacuum diode
+Winter, E. 5=10693, Two mirror monochromators Winter, G. + 5=2495, Proportional counter
+Winter, G. 5=8450, Exchange in \pi^+ p \rightarrow p \pi^+\pi^0 at 4 GeV/c
Winter, J. 5=9875, Relaxation in rotating frame
Winter, J. M. 5=11962, Crystalline field conception
Winter, J. M. 5=11963, The crystalline field approximation
+Winter, K. 5=11027, Nucleon—nucleon collisions
+Winter, W. R. 5=521, Mura electron accelerator.III
Winterberg, F. 5=3155, Alfvén waves in a gas
Winterbottom, A. B. 5=3491, Surface film formation
Winters, H. F. + 5=6325, Adsorption of gases
Winthrop, J. T. + 5=14203, Fresnel images. I
+Wińzeler, H. 5=8411, p-p scattering at very small angles
+Winzeler, H. 5=8452, \pi^+ + n \rightarrow p + \pi^0 at GeV/c +Wintzer, D. 5=11402, FR 2 reactor poisoned by H_qBO_q Wirgin, A. 5=5087-8, Diffraction at quasiplanar surfaces
Wise, H. + 5=4392, Heterogenerous reaction. VI
 +Wise, H. 5=9930, Luminescence of solids. IV
 +Wiśniewski, R. 5=6995, Influence of pressure on solid
dielectrics
Witalis, E. A. 5=8914, Voltage limit of discharge
 +Witkowski, S. 5=5952, Raising temperature of arc
Witt, G. L. + 5=4232, Antiferromagnetic resonance modes.
+Witt, K. 5=15582, I. R. spectra of anthracene derivatives Witt, W. 5=9321, Determination of lattice constants
Wittekoek, S. + 5=4265, Photon M.R. in CuSO_4-5H,O Wittekoek, S. + 5=7277, N.M.R. line shape in CuSO_4-5H<sub>2</sub>O Witteman, W. J. + 5=5004, Far infrared gas laser
 Wittenberg, A. M. 5=13069, Hemispherical emissivity of
      sapphire
+Wittern, H. W. 5=8683, Coulomb disintegration of <sup>e</sup>Li Wittern, H. W. 5=11363, Alpha-nucleus scattering
 +Witters, J. 5=4225, Permalloy ferromagnetic resonance
 +Witters, J. 5=7197, Spin wave resonance in permalloy films
+Witters, J. 5=12387, Bombardment of Cu and Ge by Ar ions
 Wittig, W.J. 5=4422, X-ray fluorescence semi-microprobe
Wittkower, A. B. + 5=2232, Scattering in neutral atoms
Wittkower, A. B. + 5=5289, Gases for neutral beam injectors
Wittkower, A. B. + 5=7981, H-ion beam equilibrium fractions
 Wittkower, A. B. + 5=8905, Neutral beam injectors
 Wittkower, A. B. + 5=10507, Equilibrium fractions for O +Wittkower, A. B. 5=14081, Water vapor jet target
 +Wittkower, A. B. 5=14367, Inclined-field acceleration Wittmann, F. 5=11241, Ir<sup>191</sup> \gamma-ray resonance scattering
 Witzmann, H. + 5=9940, Luminescence of Ba-Ti-phosphate
Witzmann, H. + 5=9943, Luminescence in Ca-Bi-Tl-phosphate
 Witzmann, H. + 5=9945, Luminescence of alkaline-earth oxides
 Witzmann, H. + 5=13107, CaO-Pr phosphors luminescence
 Wittmann, H. 5=15382, Resin electrets in electric fields
 +Witzmann, H. 5=15628, Ion mobility in NaS2
```

Wiza, J. 5=783, $O^{16}(\gamma, n)O^{15}$ reaction -Wizgall, H. 5=12684, Nb_3Sn , V_3Ga , V_3Si layers superconductivity Vlodarski, J. 5=8779, Name of element 102 Włodarski, W. 5=7916, Logarithmic nanoammeter Wobschall, D. 5=14570, Ion cyclotron resonance spectrometer Woehrle, H. R. + 5=3810, X-ray stress analysis Woffinden, G. J. 5=13929, Exploding metal films +Woischnig, W. 5=5400, Resonance production by π + p +Wojakowski, A. 5=12105, Properties of Cd₂P₂ Wojciechowski, K. F. 5=9207, Metal surface energy Vojtaszek, J.H. + 5=2419, EM mass differences of baryons Wojtczak, L. 5=8793, Vibrational—rotational levels in molecules +Wojtowicz, J. A. 5=10014, H₂O₄ heat of decomposition +Wold, A. 5=9813, Ferrimagnetic cobalt chromite +Wolf, B. 5=4781, Wave propagation in a liquid-filled porous solid. VIII +Wolf, B. 5=5525, Tensorial forces and F18 Wolf. D. 5=13960, Organ pipe eigenfrequencies Wolf, E. + 5=10647, Statistical properties of light +Wolf, G. 5=595, Antiproton-proton interactions +Wolf, G. 5=4401, Oxidation of NH. on Pt +Wolf, G. 5=14747, M and S toroidal θ pinches, +Wolf, H. C. 5=12623, Naphthalene exciton states +Wolf, H. C. 5=12978, D. P. P. H. e.s.r.times Wolf, P. 5=9377, U.S. reflection at quartz coupling layers +Wolf, R. 5=15396, Ag-Pd and Cu-Ni alloys +Wolf, R. A. 5=15789, Neutron stars Wolf, R. A. 5=15797, Reactions in solid stars Wolf, W.P. + 5=4215, Antiferromagnet energy-susceptibility +Wolfe, P.J. 5=2754, 100 keV state in W¹⁶² +Wolfe, P. J. 5=5557, 111-keV 2+ state in tungsten-184 Wolfe, R. 5=6908, Magnetothermoelectricity Wolfe, R. A. + 5=3713, Diffusion in B. C. C. metals +Wolfendale, A.W. 5=2697, K/π ratio +Wolfendale, A.W. 5=2704, Cosmi c ray muons Wolfenstein, L. 5=8254, CP invariance and weak interactions +Wolfenstein, L. 5=14271, Decays of intermediate boson Wolff, C.M. + 5=312. Transmittance filter for Hg 1849 A +Wolff, N. E. 5=4117, Photoconductivity in organic systems +Wolfgang, R. 5=7429, Acetylene formation Wolfsberg, K. 5=8688, Charge distribution in fission +Wolfsberg, M. 5=371, Energy-level distributions Wolfson, J. L. + 5=2914, K-LL Auger spectrum of $_{79}$ Au¹⁹⁷ Wolfson, J. L. + 5=14483, 103 keV level in $_{83}$ Np²³⁷ +Wolfstirn, K. B. 5=6800, GaAs acceptor level +Wolfstirn, K. B. 5=15071, Cu diffusion in GaAs +Wolfstirn, K. B. 5=15088, Divacancy reaction in GaAs +Wolga, G. J. 5=5015, Nd-doped borate glass lasers +Wolga, G. J. 5=5023, Reflector for Q-switched laser +Wolga, G. J. 5=9752, Na photoelectric emission Wolinski, W. + 5=10611, He and Ne in laser Wolinski, W. 5=13074, Optical and photoelectric properties of Ag-Ó-Cs +Wolkers, G. J. 5=14806, Thermodynamic properties of Ne Woll, E. J., Jr. 5=6569, Lattice thermal conductivity +Wollan, E. O. 5=6469, Crystal structure of nickel hydride +Wollan, E.O. 5=7191, Alignment of moments in Pd-Fe +Wollan, E.O. 5=8638, Neutron cross-sections at 1.44 eV Wolley, J. C. + 5=6795, Electron effective mass +Wollmann, K. 5=9262, Oriented growth of semiconductors I. +Wolniewicz, L. 5=2956, Adiabatic treatment of $\rm H_2$ +Wolniewicz, L. 5=2957, Vibronic energies for $\rm H_2$, $\rm D_2$, and $\rm T_2$ +Wolstencroft, R.D. 5=4650, Zodiacal light and interplanetary plasma, III Wolten, G. M. + 5=3534, Twinning of crystals +Wolter, H. 5=5097, Elementary process in photographic emulsions +Wolter, H. 5=8155, Accurate Schlieren processes +Wolter, W. 5=8499, High-energy nuclear jets Wolters, G. F. 5=2425-6, Spin determination V-VI +Woltjer, L. 5=4544, Non-smooth potentials Woltjer, L. 5=4589, Type I supernova remnants +Wolzak, G. 5=14502, A new nucleide europium 143 Womack, E.A. + 5=4346, Fluorescent decay of CsI(Tl) +Wong, C. 5=793, (p, n) Angular distributions Wong, C. + 5=796, Neutron spectra from (p, n) reaction +Wong, C. 5=8355, (p, n) Angular distributions +Wong, C. 5=8635, n polarization in $C^{13}(p, n_0)$ and $N^{15}(p, n_0)$ +Wong, C. 5=11316, n from $Be^9(p, n_0)$ and $B^{11}(p, n_0)$ Wong Chi-hsiang. + 5=12262, Crystal structure of (π-C₅H₅)₃. UCl +Wong, D. Y. 5=421, Octet masses +Wong, D. Y. 5=11059, PS₈-PS₈-V₈ coupling constants

+Wong, D. Y. 5=11092, Width of resonances +Wong, E. Y. 5=6255, Levels of U^{4+} in crystalline field Wong, K.W. 5=2063, The many-body K-matrix Wong, K. W. 5=8245, Many-body K-matrix +Wong, M. 5=10939, Spark chamber in beam +Woo Chia-Wei. 5=7900, Matrix elements of fermion system Woo Ching-Hung. 5=8408, High-energy scattering at large angles Woo Shen-Biau. 5=8939, Conversion of ion types in N +Wood, D. 5=9339, Crystal structure of Li₁₅Ge +Wood, D. E. 5=1793, Molecular orbital degeneracy in C.H. Wood, J. A. 5=1980, Chondrites and chondrules Wood, J.K. 5=2003, Elementary science Wood, R.F. + 5=1484, F center in alkali-halides Wood, R. F. 5=15106, Alkali halide color centers Wood, R. F. + 5=15111, Triplet states of M center Wood, R. F. 5=15246, Exciton in alkali halide +Wood, R. M. 5=5622, p-Bombardment of thick targets + Wood, W. A. 5=3855, Creep in iron Woodard, D. W. + 5=6881. Resistivity of Nb.Sn Woodburn, J. 5=1155, Velocity of sound in steam +Woodhead, T. 5=11067, ν -less μ decays Woodman, T. P. 5=12051, Formation of Si films Woods, A.D.B. 5=1413, Lattice dynamics of tantalum +Woods, A.D.B. 5=3671, Modes of vibration in Ni Woods, A. D. B. + 5=15034, Lattice dynamics of molybdenum +Woods, H.D. 5=4464, Jet stream meso-scale turbulence +Woods, H. P. 5=7443, Photolysis kinetic spectroscopy Woods, J. + 5=1562. Photochemical effects in CdS crystals. +Woods, J. 5=6916, Ohmic contacts for Hall measurements Woods, J. B. + 5=8538, Be⁹ 2nd T = $\frac{3}{2}$ state Woods, J. D. + 5=10066, Capture of water drops in air Woods, L.C. 5=5987, Finite amplitude hydromagnetic waves +Woods, R. M., Jr. 5=10180, Solar neutrinos Woodward, D. H. 5=331, Multiple light scattering +Woodward, L. A. 5=11512, Raman spectra of Hg(II) complexes +Woolcott, R. L.S. 5=769, High-energy nuclear interactions Woolf, M.A. + 5=6869, Density of states of superconductors Woolf, N.J. + 5=4570, I.R. spectra of red-giant stars +Woolf, N.J. 5=10158, Search for interstellar ice Woolf, N. J. 5=13715, Infrared astronomical spectra Woolfson, M. M. 5=4621, Origin of solar system +Woollam, J. A. 5=15396, Ag-Pd and Cu-Ni alloys Woollaston, H. J. + 5=6657, Expansion of BeO Woolley, J. C. + 5=4310, Energy-gap variation in InAs-InSb Woolley, J. C. + 5=6376, Preparation of InAs-InSb alloys Woolley, J. C. + 5=9228, GeTe-PbTe alloys Woolley, R. 5=15817, Galactic orbits of stars Woolley, R. L. 5=9456, Displacement of parallel dislocations Wooster, W.A. 5=1335, Cell-size and orientation of crystals Wooster, W. A. 5=6270, Order-disorder structures Wooster, W. A. 5=15003, X-θ assemblies on X-ray diffractometer Wooten, F. + 5=3918, Surface effects in Cs₂Sb films +Wooten, F. T. 5=4195, Curie temperatures in Fe-Co-Ni II. Wooters, G. + 5=14213, Compensated zoom lens Work, R. N. + 5=4086, Dipole moment of polypropylene +Worley, R. D. 5=9892, Proton channeling and X-rays +Worlock, J. M. 5=13065, Two-quantum absorption Wormser, E. M. 5=10382, Radiation thermometer Worrell, W. L. + 5=6313, Ta-C-O, Cb-C-O, and V-C-O systems Worster, J. + 5=14891, Liquid and crystal structure of metals +Worthington, C. R. 5=14203, Fresnel images. I Worthington, P.J. + 5=1525, Slip bands in silicon iron Wortman, J.J. + 5=6752, Si and Ge mechanical properties +Wotherspoon, N. 5=14350, Fast delayed coincidence technique +Wotke, H. 5=11475, Electromagnetic isotope separator Woznick, B. J. 5=13147, Chemical reactions Woźnicki, W. 5=8906, Conjugated biochemical molecules +Wray, E. M. 5=6246, Nuclear Mn fields in Mn.Ge. Wriedt, H. A. + 5=12398, Lattice defects in steel. I Wriedt, H. A. + 5=12399, Lattice defects in steel. II +Wright, D. A. 5=13078, Optical properties of SnO₂ +Wright, D. A. 5=15276, Thermomagnetic effects in graphite Wright, E. H. M. 5=3514, Monocarboxylic acid esters adsorbed on C +Wright, G. B. 5=15234, Band structure of HgTe +Wright, G. T. 5=1662, Si-Ge N-P junction +Wright, G. T. 5=11897, Pre-breakdown liquid C_6H_{14} +Wright, G. T. 5=12782, Solid state heterojunction triodes +Wright, H. 5=2251, Generation of whistler waves +Wright, H. 5=11756, Plasma—electron beam interactions Wright, H. N. 5=2144, Backward masking for noise Wright, J. + 5=8282, Eigenvalues of Lippmann-Schwinger equation +Wright, J. 5=15619, Inhibitors for CO2-graphite reaction

+Wright, J. G. 5=7118, Magnetic anisotropy of β -cobalt +Wright, J. J. 5=15848, Meteoroid distributions +Wright, J. J. 5=15849-50, Meteoric flux fields Wright, J. K. 5=2312, Non-linear optics Wright, J. P. 5=51, General relativistic instability Wright, J. P. 5=7544, Einstein's equations for dusty universe Wright, J. W. 5=13322, Variations of atmosphere near 100 Km +Wright, J. W. 5=13542, Topside sounder ionograms +Wright, K. A. 5=776, Nuclear resonance fluorescence Wright, L. E. + 5=11306, Electron scattering +Wright, M. G. 5=9462, Distribution of dislocations in Al Wright, P.G. 5=6105, Sutherland_Wassiljewa coefficients Wright, P.G. 5=6223, Sublimation of dissociating vapour Wright, P.W. 5=4426, X-ray fluorescence analysis +Wright, R. W. 5=13430, Absorption measurements at Ibadan +Wrigley, N. G. 5=2226, Electron microscope image recording Wrobel, E. J. 5=10528, Orientation of YIG spheres +Wróblewski, A. 5=2637, Interactions of π on protons +Wróblewski, A. 5=2680, Strange particles production +Wroblewski, A. 5=5328, Principal axis of jets Wronski, A. + 5=9578, Deformation of W Wrzesińska, A. 5=9976, Fast neutrons and luminescence of ZnS +Wtodarczyk, E. 5=102, Spherical wave in elastic-visco-plastic body +Wu Cheung-hang. 5=3467, Phase diagram of Mo-B system +Wu Chien-Heng. 5=7828, Plane waves in a bar Wu Ching-Sheng 5=5972, Operator in plasma kinetic theory +Wu Chi-Shiang 5=2763, First-forbidden β -decay Wu Hang-shêng. + 5=12666, Superconductivity of thin films Wu, K. K. M. + 5=11158, Proton flux variation with height Wu Shih-chiu. 5=4872, Tunnel-diode circuits Wu Shi-shu. 5=2382, Variational method and RP-HRP approximation Wu Shi-shu. 5=2716, Brueckner-Goldstone formula Wu, T. K. + 5=1006, Chemical shifts in benzenes Wu, T.K. + 5=3067, Proton chemical shifts of pyridines Wuckel, L.+ 5=4415, Ion exchange membranes +Wulff, C. A. 5=11857, Solution thermochemistry of Ca(OH)₂ +Wulff, C. A. 5=11858, Solution thermochemistry of Ag₂SO₄ +Wulff, J. 5=6876, Superconductivity of Nb +Wulff, J. 5=12679, Superconducting niobium +Wulff, J. 5=12683, Superconducting Nb₃Sn +Wulff, J. 5=15299, Superconducting NbN Wunderlich, B. 5=6421, Solid state of polyethylene Wüstenhagen, J. 5=12783, Contacts to GaAs transistors Wutz, M. 5=4526, Thermal conditions of space satellite Wutz, M. 5=6122, Baffle with migration barrier +Wyart, J. 5=1619, Conductance of NaCl +Wyatt, A. F. G. 5=4215, Antiferromagnet energy-susceptibility Wyatt, A. F. G. 5=6851, Densities of states in Ta and Nb +Wyatt, M.E. 5=14692, Electrons in ionization afterglows +Wybourne, B. G. 5=894, Energy levels of Am³⁺ Wybourne, B. G. 5=8737, Configuration interaction "Linear theory" +Wybourne, B. G. 5=8756, Spectrum of Eu I Wyckoff, J.M. + 5=8619, Photonuclear cross-sections for low Z +Wyder, P. 5=6576, Magnetothermal effect in a zig-zag Wydeven, T.J. + 5=6285, Heat capacity of CoBr₂ +Wyld, H. W. Jr. 5=5448, A-N S-wave interaction +Wylie, D W. 5=10757, Transformation of operator equivalents Wylie, K. F. + 5=14946, Mass-thickness of thin films Wylie, P. J. 5=13213, High pressure earth sciences Wyller, A. A. 5=14716, Hydromagnetic-ionic theory +Wyller, A. A. 5=14734, Collisions in hydromagneto-ionic theory Wyller, A. A. 5=15793, Thermal conductivity in stellar cores Wyluda, B. J. + 5=13009, N. M. R. study of Sc₃In +Wyman, R. R. 5=3351, Electrostatic dispersion of liquids Wynchank, S. A. R. + 5=8648, Neutron capture of B +Wyndham, J.D. 5=4602, Right ascensions for sources Wyndham, J. D. + 5=10153, Declinations of radio sources +Wyndham, J. D. 5=15823, New quasi-stellar radio sources Wysling, P. 5=15502, Relaxation of Ni³⁺ in MgO and CaO Wyslocki, B. 5=9785, Observation of magnetic powder figures +Wysotzki, F. $5=5390, \pi^- + N$ at 7.5 GeV

+Xanthopoulos, T. 5=6067, High-speed flow in curved channel +Xuong Nguyen-huu. 5=5401, 2π structure in A meson +Xuong Nguyen-huu. 5=11359, Deuteron stripping Xuong, N. D. + 5=14657, Spectra of three heterocyclic derivatives +Xye Chien-kang. 5=7466, Seismic model experiments

+Yaacobi, M. 5=1189, Spectra of halate ions in solution +Yaari, R. 5=5443, Y₁* production by p + p Yablonik, L. M. 5=13940, Operation of multilayer transducer +Yablonin, K. I. 5=14319, Integrator for radiation monitors +Yabuki, M. 5=8246, Nuclear force due to exchange Yabushita, S. 5=10119, Motions of a Jacobi ellipsoid +Yabushita, S. 5=15783, Star encounters and planet motions Yacob, A. 5=15763, Geomagnetic storms and ring currents +Yada, K. 5=14014, Microwave measurement of dielectrics Yafaeva, V. B. + 5=5057, Band interference filters Yafet, Y. 5=15488, Paramagnetic relaxation in semiconductors +Yaffe, L. 5=11383, Neutron fission of Pu239 +Yaffe, L. 5=11386, Ba¹⁴⁰ range in U²³⁸ fission +Yager, P. 5=11359, Deuteron stripping +Yager, P. M. 5=5401, 2π structure in A meson +Yager, W. A. 5=14666, E.S.R. of organic triplet states Yagi, K. + 5=3760, Electron microscopy of NaCl films Yagi, K. 5=10914, New broad range spectrometer Yagoda, H. + 5=2699, Primary nuclei +Yagudina, F. R. 5=5384, γ -production of π +Yaĭ Kaĭ-yue. 5=2548, Radial ridge cyclotron +Yaĭ Kaĭ-yue. 5=2550, Radial betatron oscillations Yajima, N. + 5=11078, High energy jet showers. I Yajima, N. + 5=11757, Alfvén wave instability Yajima, T. + 5=15535, Laser light optical mixing Yakhontov, A. G. 5=3602, Harmonic analysis of metals +Yakhyaev, R. Sh. 5=2611, Proton-antiproton pairs +Yakimenko, M. N. 5=5304, Compton effect on moving electrons +Yakobson, N. N. 5=915, Optical pumping in Cs Yakovkin, N.A. + 5=4683, Hα emission in prominences Yakovlev, K.A. + 5=10577, Two-channel current generator +Yakovlev, V. I. 5=10899, Pulses from ionization chambers +Yakovlev, V. V. 5=8711, High temperature reactor +Yakovleva, E.S. 5=6708, Cu, Au alloy strain-hardening +Yakowitz, H. 5=12173, Microdiffraction procedures Yakubov, V. B. 5=4530, Evolution of universe +Yakubovich, E. I. 5=11681, Distribution functions of plasma Yakubovich, E. I. 5=11731, Ohmic heating of plasma +Yakunin, A. Ya. 5=7414, Conductance of electroluminescent cells Yakushin, V. V. + 5=10919, Count-rate meter Yakushin, V.V. + 5=12858, Supply conditions for photomultipliers Yakushin, V.V. 5=14011, Current integrator +Yakutovich, M.V. 5=8711, High temperature reactor +Yalovoi, I. N. 5=10958. Beam in synchronhastotron +Yam, Y.Y. 5=444. Three-body problem +Yam, Y.Y. 5=8492, Three-nucleon system +Yamabe, S. 5=8495, He3(d, t)2p at 24.7 and 33.4 MeV +Yamada, E. 5=13010, N. M. R. in VO. Yamada, H. + 5=4302, Absorption bands in CO₂ and N₂O +Yamada, H. 5=12150, Thermal changes in corundum structure +Yamada, H. 5=14024, Magnetoresistance analyser +Yamada, M. 5=385, Bogoliubov transformation Yamada, M. 5=437, Pseudoscalar boson mass Yamada, M. 5=682, Mass formula for nuclei +Yamada, M. 5=1762, Magnetocrystalline anisotropy of pyrrhotite +Yamada, M. 5=2381, Clebsch-Gordan coefficients +Yamada, R. 5=3874, Polyfin morphology and deformation of. II +Yamada, R. 5=14415, p-p scattering Yamada, S. + 5=9625, Properties of glassy carbon +Yamada, Y. 5=2814, Be⁹ and B^{10,11} (p, α) and (d, α) Yamagata, H. 5=386, Mollifiers in Wightman functions Yamaguchi, S. 5=1354, Electron diffraction Yamaguchi, S. 5=3932, Electron at crystal surface Yamaguchi, S. 5=4097, Electron beams in tourmaline Yamaguchi, T. 5=1606, Electronic properties of polyacrylonitrile Yamaguchi, T. 5=4103, Thermoelectric power of glassy carbon Yamaguchi, Y. + 5=3442, Solubility of nickel in silicon Yamakawa, H. 5=11862, Virial coefficient of polymer solutions +Yamaki, T. 5=11295, Deuterons from irradiated C Yamaleev, K. M. + 5=14931, Ordering of NiPt alloy +Yamamoto, A. S. 5=11990, Solution ideality in Pr-Nd +Yamamoto, E. K. 5=11019, N_{33}^* (1238), ρ° production +Yamamoto, G. 5=4525, I.R. horizon sensing + Yamamoto, K. 5=464, Shrinkage of effective core +Yamamoto, K. 5=3475, Transition of strontium olivine

⁺Yamamoto, K. 5=11639, Instability in column +Yamamoto, N. 5=7134, Mössbauer effect in α -Fe₂O₃ +Yamamoto, R. K. 5=5398, $\pi^- + p \rightarrow \eta^0 + p$ to 1151 MeV

⁺Yamamoto, R. K. 5=10981, γ -p Interactions, 0.5-4.8 BeV +Yamamoto, R. K. 5=14434, π -p charge exchange Yamamoto, S. + 5=14822, Out-gases from Ceramics

⁺Yamamoto, S.S. 5=2658, Decay modes, properties of X°

Physics Abstracts 1965 - Part I (Jan. - June) -Yamamoto, S.S. 5=2689, Existence of Ω-hyperon Yamamoto, T. 5=3475, Transition of strontium olivine +Yamamoto, T. 5=11938, Emissivity and freezing of metal oxide Yamamura, M. 5=11208, Phonon—quasiparticle interactions +Yamanaka, C. 5=14167, Spikes of ruby laser Yamanaka, C. + 5=14718, Measurements of shocked plasma
Yamanaka, H. + 5=14014, Microwave measurement of dielectrics Yamanaka, T. + 5=14167, Spikes of ruby laser +Yamase, I. 5=1617, Resistance of rare-earth metals +Yamashita, S. 5=2814, Be 9 and B 10,11 (p, α) and (d, α) Yamashita, J. 5=15198, Hot electron in strong magnetic field Yamashita, M. + 5=15682, Electromagnetic waves below 40 c/s +Yamashita, S. 5=1327, X-ray diffraction of CdS Yamatera, H. + 5=6188, Infrared spectra of water and solutions +Yamaura, H. 5=11210, Collective vibrations in nuclei Yamazaki, H. + 5=2909, Deactivation of excited O atoms +Yamazaki, M. 5=14305, Complex singularity and unitarity +Yamazaki, T. 5=5543, Two phonon states in nuclei Yamazaki, T. 5=8560, $Os^{188,190} 2^+ \rightarrow 2^+$ parameters +Yamazaki, T. 5=11360, Polarization of protons Yammoto, H. 5=6725, Aging of Fe-Cr alloys Yamshita, H. 5=784, Si²⁸(γ , γ)Al²⁷ and Si²⁸(γ , α)Mg²⁴ reactions Yan Chih-Wai. 5=7072, Magnetic structures of crystals Yanabu, T. + 5=2814, Be⁹ and B^{10,11} (p, α) and (d, α) Yang, C.N. 5=83, Many-body problem
Yang, C.N. 5=8403, Liquid-gas transitions
+Yang, C.N. 5=8251, High-energy transfer processes
+Yang, C.N. 5=11105, CP invariance in K, K, decay +Yang, C.P. 5=3403, Liquid-gas transitions Yang Guo-zheng+ 5=5218, Theory of weak interactions Yang Guo-zheng. 5=5444, Decays of A and E +Yang Guo-zheng. 5=14264, Mass-differences of elementary particles +Yang, H. T. 5=9036, Hypersonic low density wakes +Yang Kuo-shen. 5=8444, Lifetime of μ and μ —e symmetry Yang Li-ming. + 5=5507, Pairing force in deformed nuclei

Yang Suen-hwa. 5=6604, Dislocation-vacancy interaction Yang Tsan-hsi. 5=5830, Vibrations of hydroxyl groups Yanof, H. M. + 5=2015, Manometers Yanovitskii, E.G. 5=2079, Isotropic scattering +Yanovitskii, E. G. 5=4633, Atmosphere of Mars Yanson, I. K. + 5=6896, Cooper pair tunneling in Sn +Yao, T. 5=5191, Mass formulas in SU(6) Yao, Y. L. 5=7085, Magnetic susceptibility at lithium alloys Yao York-Peng.5=390, Electrodynamics in axial gauge

Yao York-Peng. 5-391, Spin and statistics +Yapertas, A. 5-2126, Ultrasound speed in liquids Yaqub, M. + 5-9628, Magnetomorphic effects in Ga Yardley, J.T.+ 5=3038, Conformation of n-methylene-methylamine +Yardley, J. T. 5=5890, Microwave spectrum of methyl thionylamine

Yaris, R. 5=2872, Linked-cluster theorem +Yariv, A. 5=4991, Electro-optic modulation of laser resonators Yariv, A. 5=10595, Multimode laser oscillators +Yaronis, É.P. 5=2125, Digital interferometer +Yaroshetskii, I.D. 5=4112, Photoconductivity in Ge Yarwood, H. 5=11828, Flash filament method +Yaseen, M. 5=5499, Decay of heavy hypernuclei

+Yashin, E. M. 5=1888, Electroluminescent film condensers +Yashīn, V.I. 5=3201, Longitudinal waves in plasmas Yasin, M. 5=2799, High-energy nuclear disintegrations +Yas'kov, D. A. 5=12123, SiC crystal production

+Yassievich, I. N. 5=3962, Transport in metals

+Yastrebov, V. N. 5=1811, Electron-nuclear paramagnetic resonance

+Yasufuku, M. 5=3758, Imperfections in Si +Yasufuku, K. 5=11615, Vibrations of polymer molecules. V +Yasuhara, M. 5=13615, Geomagnetic effect of explosion +Yasukawa, S. 5=11360, Polarization of protons

Yasukochi, K. + 5=1722, Superconducting Nb-Zr wire

+Yasumi, S. 5=11295, Deuterons from irradiated C +Yataenko, N. D. 5=4093, Ferroelectric Na_{0.5}Bi_{0.5}TiO₃-PbTiO₃

Yates, G. K. 5=15884, Solar flare α -particles +Yates, J.G. 5=1328, Formation of pyrolytic carbon

+Yates, J. T., Jr. 5=10001, Chemisorbed CO isotopic mixing in +Yates, K. W. 5=15813, Galactic radio emission Yates, M. J. L. 5=7730, Unscrambling spectrum analysis

+Yates, M. J. L. 5=8546, Coulomb excitation

+Yates, R. F. 5=10342, Human ears and artificial ear +Yatsenko, A. F. 5=10608, Fluctuations of laser emission Yatsiv, S. + 5=9921, Tb³⁺ compound internal vibronics

+Yatsiv, S. 5=13113, Self-trapping in GdCl₃. 6G₂O

Yau Gin. See Gin Yau. Yawata, K. 5=12778, Ge-GaAs tunnel diodes

+Yavlinskii, Yu. N. 5=12430, Slowing protons in metals

+Yavno, A. Kh. 5=9015, Characteristics of "TOKAMAK - 3" +Yavor, S. Ya. 5=223, Spherical aberration of quadrupole lens

+Yavor, S. Ya. 5=4908-9, Achromatic e.m. lens

+Yazaki, K. 5=14458, Modification of residual interaction

+Yeakley, L. M. 5=12479, Dynamic deformation of Al +Yearian, M. R. 5=11304, Ca⁴⁰ electron scattering

+Yee, D.D.H. 5=81, Quantum statistics of distribution functions

+Yee, D. D. H. 5=4769, Dilute hard-sphere Bose gas +Yegorov, A. I. 5=14496, β -decay of P^{02} , In^{114} , Pr^{142} , Ho^{166} and Re^{188} Yeh, C. 5=10545, Backscattering of dielectric cylinder

+Yeh I-cheng. 5=9263, Si dislocations and etch pits +Yeh, K.C. 5=2260, Multiple scattering of e.m. waves

+Yekutieli, G. 5=5443, Y_1 * production by p + p+Yekutieli, G. 5=5449, Λ -p scattering

Yelon, A. + 5=7148, Switching properties of Ni-Fe film Yen, J. T. + 5=7993, Magnetohydrodynamic Couette flow Yen, K. T. 5=1096, Response of plasmas to radiation Yen Ming-han. + 5=5631, Resonance levels of Na²³(p, α)

+Yen Tung-mou. 5=12262, Crystal structure of (7-C-H-). UCl Yen, W. M. 5=1848, R lines of chromium in ruby Yen, W. M. + 5=9371, Orbach relaxation coefficient LaF₃:Er³⁺

+Yen-Wu-Kuang. 5=2560, Isobar state systems and decay modes

+Yen-Wu-Kuang. 5=8482, Λ by isobars in π -p interactions +Yeng Tung-sheng. 5=6278, BeO-rare-earth-sesquioxide systems Yeniçay, F. + 5=11728, Response of a magnetic probe +Yennie, D. R. 5=2372, WKB approximation for phase shifts Yennie, D. R. + 5=11300, Electron scattering calculations

Yeranos, W. A. 5=5871, Vibrational analysis of Pt(II)Cl₄2

+Yeremenko, B. V. 5=12068, Adsorption on Si p-n junction +Yevick, G.J. 5=82, Many-body problem +Yevick, G. J. 5=7804, Many-body problem

Yildiz, A. 5=1090, Nonlinear plasma fluctuations Yilmaz, F. 5=4666, Facular zones in solar centres Yilmaz, F. 5=4667, Sunspots in 1960

Yilmaz, F. 5=1984, Bipolar sunspot groups

+Yilmaz, N. 5=7568, Velocity of PII stars and age Yin Yang Chuan. See Yin Chuan Yang. Ying Chuan Yang. 5=459, Strong interaction Yndurain, F. J. 5=8418, Pionic decay of protonium

Yntema, J. L. + 5=840, Scattering of He³ by nuclei +Yntema, J. L. 5=5266, Li-drifted Si detector radiation damage

+Yntema, J. L. 5=5683, Shell-model in Ti (α, α') reaction

+Yntema, J. L. 5=11364, α-Ni⁵⁸ scattering +Yoder, N. R. 5=8403, Nucleon—nucleon scattering

+Yodh, G.B. 5=2415, U-spin equalities

+Yodh, G. B. 5=11090, π -p interactions +Yogi, T. 5=14019, Microsecond signals from noise

Yokobori, T. + 5=15137, Elastic solid with cracks

+Yokokawa, T. 5=3456, Enthalpy of δ -Al₂O₃ to α -Al₂O₃ Yokokawa, T. + 5=6275, Metastable modifications of alumina Yokomi, H. 5=14404, π exchange current in e-d scattering

Yokota, H. + 5=7341, Ellipsometry of glass surfaces Yokota, M. 5=1082, Motions in plasma

+Yokota, M. 5=11735, Slow theta pinch plasma

+Yokoyama, M. 5=3103, Ar-Hg discharge afterglows. I

+Yokoyama, M. 5=11483, Molecular scattering of laser light Yomosa, S. 5=1019, π -electron systems of biopolymers

+Yomosa, S. 5=5921, Charge transfers in polypeptides. I

+Yonezawa, M. 5=2449, Partial-wave dispersion relation +Yonezawa, M. 5=2606, Nucleon-nucleon scattering. II. +Yonezawa, M. 5=11022, Two-π exchange in N-N scattering

+Yonezawa, M. 5=14411, Boson width and N-N scattering +York, C. 5=8314, Time-of-flight counter

+York, D. 5=8728, Mass spectrometer for Ar analysis Yoshida, H. + 5=14665, E.S. R. saturation of radicals in

polymers

Yoshida, K. 5=1472, Dislocations in KC1 +Yoshida, M. 5=3442, Solubility of nickel in silicon

+Yoshida, M. 5=3475, Transition of strontium olivine

+Yoshida, M. 5=11938, Emissivity and freezing of metal oxide Yoshida, M. + 5=12392, Ni precipitation in Si

+Yoshida, S. 5=1325, Voids in quenched Al +Yoshida, S. 5=5670, (d, α) and (α , d) reactions

+Yoshida, Y. 5=731, 0° excited state of Ce140 Yoshihara, T. + 5=1021, Vibrations of polymer molecules. IV.

+Yoshikawa, S. 5=9018, Stellarator hydromagnetic instability +Yoshikawa, S. 5=11746, Plasma bounded by end plates

Yoshikawa, Ś. + 5=14738, Ion cyclotron waves +Yoshiki, H. 5=5321, Neutrino interactions

```
+Yoshima, Y. 5=11295, Deuterons from irradiated C
+Yoshimori, A. 5=2269, Theory of spin relaxation
Yoshimura, H. 5=4042, Injections in semiconductors
Yoshinaga, H. + 5=8126, Far infrared spectrophotometer
+Yoshizawa, Y. 5=5585, Decay of Pr146
Yosida, K. 5=4168, Rare earth magnetic structure
Yosinobu, H. 5=4830, Frozen region around heat sink
Youdelis, W.V.+ 5=3400, Alloy freezing in magnetic field
Youdelis, W. V. + 5=3712, Diffusion in a magnetic field
+Young, A.P. 5=1376, High-pressure form of FeVO<sub>4</sub>
Young, A.P. + 5=7698, High-pressure belt liquid container
+Young, A. T. 5=10171, Nitrogen oxides on Mars
Young, A. T. 5=15787, Photomultiplier variations in astronomy
+Young, C.E. 5=3084, H-D kinetic-isotope effect
+Young, D.A. 5=9401, Thermal conductance in graphite
+Young, D.E. 5=519, Mura electron accelerator. I
+Young, D. E. 5=524, Mura electron accelerator.VI
+Young, D. E. 5=528, Mura electron accelerator.X
Young, D. M. + 5=12050, Mg films Kr and C<sub>2</sub>H<sub>4</sub> adsorption
Young, D. R. + 5=15334, Surface effects on Si
Young, F. C. + 5=5685, B<sup>11</sup>(He<sup>3</sup>, Li<sup>6</sup>)Be<sup>8</sup> reaction
Young, F.J. + 5=7994, Magnetohydrodynamic convection
+Young, F.W.,Jr 5=12199, X-ray diffraction in Cu
Young, J. A. + 5=6512, Phonon spectrum of graphite
+Young, K. M. 5=9018, Stellarator hydromagnetic instability
Young, L. 5=6616, Frenkel defects in oxide films
+Young, L. 5=9964, Oxide films on Tantalum
+Young, P. A. 5=13063, MoS_2 optical properties +Young, P. G. 5=5461, p's from He^4+d
Young, R. A. + 5=7509, Atomic association and airglow +Young, R. A. 5=9329, Structure of hydroxy apatite
Young, R. A. 5=13356, Optical radar of upper atmosphere
+Young, T.E. 5=5368, n spectrometer backgrounds
Young, T. R. + 5=2013, Ellipsometry for reflection
+Youston, D. J. 5=8723, Programming a control computer
Yownovich, M. L. + 5=5664, Interaction constants in \mu-capture
Ythier, C. + 5=8567, Gamma-radiation from actinium K.
Ytterhus, J. A. + 5=12358, Au vacancy defect annealing
Yu, E. Y. 5=13640, Design of two-body satellite
+Yu Hak Hahn. 5=7239, Malonamide and glycine e. s. r.
+Yu Yu-Wen. 5=5650, (n, \alpha) in the range 6 \le Z \le 30
Yukhnovs'kii, I. R. 5=2057, Statistical operator
+Yu Min. 5=7809, Fermi system with equal spacings
+Yu Qi-hua, 5=6788, Electron-phonon scattering in Ge
Yu You-wen + 5=7809, Fermi system with equal spacings
 +Yuabov, Yu. M. 5=12834, Photovoltages in Si films
+Yuan, L. C. L. 5=8318, Counter hodoscope data handling
 +Yuan, L. C. L. 5=14415, p-p scattering
+Yudin, D. M. 5=12427, Color centers in sodium aluminosilicate glasses, 5=12427
+Yudin, D. M. 5=14972, E. P. R. study of glass crystallization
 +Yudin, L. I. 5=10949, High-power pulse modulators
+Yuferov, V.B. 5=8941, Vacuum in charge exchange chamber
 +Yui Lu 5=7195, Skin effect in ferromagnetic metals
 Yui Tsin. See Tsin Yui.
 +Yukawa, H. 5=10789, Structure, symmetry of elementary
      particles. II
Yukawa, H. + \, 5=11476, N polarization and \mu-mesic H spectrum
 +Yukawa, T. 5=7761, Stationary gravitational fields
 Yukhnovs'kyi, I. R. 5=7810, Quantum statistical sum.II
 +Yun Hsia. 5=8184, Maintaining an absolute hue
 Yung Ming Chen. 5=2259, Scattering in random media
 Yung Ming Chen. 5=7728, Transient diffraction by a cylinder
 +Yungerman, V.M. 5=15554, Recombination radiation in InAs
 +Yungman, V. S. 5=11812, Thermodynamic functions of ideal gas
 Yunovich, A. É. + 5=15336, Field effect on Si
 +Yura, O. 5=8569, Calibration of N. B. S. standard of radioactivity
 +Yurchenko, Yu. F. 5=14915, Ageing of Pb-Cd alloys
 +Yur'ev, B. A. 5=10967, Stabilization in betatron
Yur'ev, S. A. 5=10428, Electronic voltage regulator
 +Yurevich, F.B. 5=1042, Electric arc heater
 Yurkievich, L. + 5=8576, Measuring activity
Yurova, L. N. + 5=2791, \gamma-Emission of U<sup>239</sup>
Yurova, L. N. + 5=11403, U<sup>235</sup> fission in monoisopropyldiphenyl
 +Yurow, J. A. 5=8178, Degree of metamerism
Yushin, Yu. Ya. 5=14246, Vertex part in quantum electro-
     dynamics
+Yuskeselieva, L. 5=1684, Double layer electret
 +Yushko, H. B. 5=4792, Continuity of detonation front
 Yutsis, A. + 5=5739, Atomic e.s. interaction operator
 +Yutsis, A. 5=5740-1, Atomic e. s. interaction operator
 +Yutsis, A. P. 5=5137, Angular momentum operator
```

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+Yutsis, A. P. 5=5151, Calculation of 6,-coefficients
+Yutsis, A. P. 5=5152, Clebsch-Gordan coefficients
Yutsis, A. P. 5=5155, 6,-coefficients
Yutsis, A. P. + 5=5154, Clebsch-Gordan coefficients
+Yutsis, A. P. 5=13817, Calculation of 9j-coefficients
+Yutsis, P. 5=13818, Theory of angular momentum
+Yutsis, P. E. 5=13816, Computer study of 3nj-coefficients
+Yutsys, A. P. 5=5767, Transitions in nitrogen atom
+Yvars, M. 5=6411, Properties of oriented pyrolytic carbon
+Yvon, P. 5=11324, Cross-section of silicon for neutrons
+Yzuel, J. 5=14176, The geometry of optical prisms
Zababakhin, E. I. + 5=10535, Stationary unbounded convergence
Zabawsky, Z. + 5=10392, Thermocouples and ASTM standards
+Zabidarov, E. I. 5=12918, Neutron scattering on Fe spin waves
+Zablotskaya, T. V. 5=1180, Heat transfer during flow of Na
+Zabritski, J. 5=9061, Orbitron vacuum pump
+Zachariasen, F. 5=481, Regge trajectories
Zachariasen, F. 5=460, Bootstraps
Zacharov, B. 5=14362, Spark chamber analysis
+Zackay, V. F. 5=12671, Superconductivity of metal carbides and
+Zadarozhnyi, G. 5=1684, Double layer electret
Zadoyan, M. A. 5=3814, Solution of equations of plasticity
Zafiratos, C. D. 5=2844, (\alpha, \text{Li}^{16}) reaction on C^{12}, N^{14}, Al^{27}, and Ni
Zafiratos, C. D. 5=11045, Neutron-time-of-flight detector
Zafiratos, C. D. + 5=11369, N<sup>14</sup>(He<sup>3</sup>, n)F<sup>16</sup> reaction
+Zafonte, B. P. 5=5858, Normal cyanide structure of GeH3CN
Zager, B. A. + 5=10955, Electron loading of cyclotron
+Zagieboylo, W. 5=10700, Measuring reflectance and
     transmittance
+Zago, G. 5=2807, p-Scattering by Li<sup>7</sup>
+Zago, G. 5=11312, Li<sup>6</sup>-proton scattering
 +Zagorets, P. A. 5=11135, Si a-particle counters
Zagorodnikov, A. A. 5=10057, Atmospheric turbulence
Zagorodnikov, S. P. + 5=5989, Shock waves in plasma
Pagorodnikov, S. P. 5=11719, Plasma decay + Zagorski, Z. P. 5=7450, Chemical changes in \gamma-irradiation
+Zagórski, Z. P. 5=9133, Fluorescence of solutions in y-rays
+Zahlan, A.B. 5=4369, Two-photon absorption in anthracene
+Zahn, J. P. 5=15826, Eclipse of moon
Zaidel, A. N. + 5=5062, Sensitivity of spectral analysis
 +Zaidel, R. M. 5=13921, Shock waves and mechanical properties
 +Zaidi, S. A. A. 5=8586, Beat datay of Pr144
Zaikova, V. A. + 5=4201, Magnetostriction curves of Si iron
Zaimidoroga, O. A. + 5=8446, Muon capture in He<sup>3</sup>
Zaiminger, K. H. + 5=4037, Surface states at Si-SiO<sub>2</sub> interface
 +Zaininger, K. H. 5=4043, Surface inversion in Si
 Zaitsev, R.O. 5=15286, Superconductivity equations
 +Zaitsev, Yu. I. 5=10470, Memory for amplitude analyzer
 +Zajac, A. 5=12170, Propagation of X-rays
+Zajde, C. 5=1667, Use of infrared emitting diodes
Zak, J. 5=1570, Landau level broadening in crystals
 Zak, J. 5=3909, Bloch electron in magnetic field
 +Zakarka, A. B. 5=15543, CdTe spectrum under pressure
 Zakharchenya, B. P. + 5=7321, Spectra of Sm2: alkali earth
      fluorides
 +Zakhariev, B. N. 5=11282, Resonance density in scattering
Zakhariev, B. N. + 5=14281, Excitations of compound particle
 Zakharov, V. I. 5=10247, Spin of virtual gravitons
 Zakharov, V.S. 5=3294, Cyclic accelerator with helical field
 Zakharov, V.S. + 5=5290, Particle focusing in helical fields
 Zakharova, M.I. + 5=3455, Polygonization of aluminium
 Zakharova, M. I. + 5=9219, Al recrystallization, polygonization Zakharova, M. I. + 5=12003, Precipitation of germanium
 +Zakharova, M. I. 5=15094, Mo dislocation annealing
 +Zakharova, M. V. 5=6390, Growing cadmium whiskers
+Zakharova, V. M. 5=8747, Ionic and atomic lines
 +Zakrzewski, J. 5=5499, Decay of heavy hypernuclei
 +Zakrzewski, T. 5=6940, Electrical properties of HgTe
 +Zalesski, A. V. 5=7158, Magnetostriction of BaFe<sub>18</sub>O<sub>27</sub>
  Zalesskii, A V. + 5=12943, Magnetic anisotropy in
       BaCo<sub>1.5</sub>Fe<sub>16.5</sub>O<sub>27</sub>
```

Zalesskii, V. Yu. 5=15633, Selective excitation +Zaletskii, E. G. 5=2767, Mean energies of β -spectra Zalewski, K. 5=664, High energy jets +Zalewski, K. 5=8193, Invariants from 3-j symbols +Zalewski, K. 5=14278, Isospin crossing matrices

⁺Zalivadnyi, S. Ya. 5=12561, Zn creep and thermal stability Zalkin, A. + 5=1389, Crystal structure of Na fluosilicate Zalkin, A. + 5=6495, Crystal structure of ferrichrome A

+Zaloubovsky, I.I. 5=2813, The reaction $Li^7(p, \alpha)He^4$

```
+Zaloubovsky, I. I. 5=5680, Alpha particle groups from P31(d, a)Si29
+Zaloubovsky, I. I. 5=8316, Scattering chamber for solid detectors
+Zaloubovsky, I. I. 5=8670, The F^{19}(d, \alpha)O^{17} reaction
+Zaloubovsky, I. I. 5=11354, N^{14} (d. \alpha) from 1 to 2.5 MeV
Zalubas, R. + 5=14606, PrI absorption spectrum
+Zamfir, O, 5=7940, Caesium-cadmium diode
Zamir, D. + 5=4270, Self-diffusion in La
Zamir. D. 5=7266. Bulk susceptibility and n.m.r. in powders
+Zamorzaev, A. M. 5=1293, Symmetry of borders and ribbons
+Zanarini, G. 5=2512, Charge collection time
+Zanarini, G. 5=14020, Charge-sensitive preamplifier
Zandberg, E. Ya. + 5=5963, Surface ionization of atoms and
     molecules
+Zander, A. R. 5=8651, Ar^{40}(n, \alpha), (n, p), (n, d)
Zander, K. 5=6972, Surface current in Ge diodes
Zander, K. 5=9695, 4-layer controlled rectifier
+Zander, R. 5=7641, Composition of clouds of Venus
Zandstra, P. J. 5=5901, Spin-orbit coupling in semiquinone
+Zanello, D. 5=5395, \pi^- + p \rightarrow \pi^\circ + n at 930 MeV
+Zanello, D. 5=8481, R invariance for hyperon decays
+Zanfagna, B. 5=6023, Confinement time of hot plasma
+Zanker, V. 5=3023, π-electron absorption bands
+Zankl, G. 5=5952, Raising temperature of arc
+Zannoni, G. 5=2808, p-Scattering by O16
+Zannoni, G. 5=5346, Polarization in p-α scattering
+Zannoni, G. 5=5615, Polarization in p-C12 scattering
+Zaorska, J. 5=5391, Production of \gamma pairs in \pi^- + Xe
+Zapas, L.J. 5=3241, Thermodynamics of fluids
Zapesochnyi, I. P. + 5=899, Spectral lines of Cs
+Zappa, L. 5=1597, Positrons in alkaline earth oxides +Zare, R. N. 5=5847, B ^3H<sub>n.,</sub> ^+ state of iodine Zaretskii, D. F. + 5=11972, Crystal \gamma-quanta emission
+Zaripov, M. M. 5=7240, Mn^{2+} e.s.r. in diopside +Zaripov, M. M. 5=7242, Mn^{2+} e.s.r. in apatite Zaripov, M. M. + 5=12974, Cu^{2+} in NH_4Cl e.s.r. spectrum
+Zaripov, M. M. 5=15494, E. P. R. of glasses
Zarkhin, B. I. + 5=10417, Electrometer amplifier
+Zarkova, L. 5=200, Cesium thermionic converter
+Zarkova, L. 5=4891, Caesium thermoelectric converter
Zarochentsev, E. V. + 5=12954, Ground states of antiferromagnet
Zarochentsev, E. V. + 5=15483, Energy spectra of antiferromagnet Zarubin, V. S. 5=7878, Heat conduction problems
+Zarzycki, J. M. 5=5134, Be window for X-ray tube
Zashkvara, V.V. + 5=230, Electrostatic analyser
+Zasimchuk, E. E. 5=1308, Recrystallization nuclei in Ni
Zaslavskii, G. M. + 5=10235, Fermi acceleration
+Zaslowsky, J. A. 5=10014, H_2O_4 heat of decomposition Zastavenko, L. G. + 5=5225, Solution of kinetic equations
+Zastawny, A. 5=8309, Geiger-Müller quenching circuit
 Zasymchuk, I. K. + 5=14982, Perfection of Zn crystals
+Zathmanidis, P. J. 5=1679, Domain wall in BaTiO<sub>3</sub>
Zatzkis, H. 5=5048, Snell's law and calculus of variations
Zauderer, E. 5=2256, Wave propagation around smooth object
Zauderer, E. 5-14201, Wave propagation around a cylinder +Zavadovskaya, E. K. 5-9704, Electrical conductivity of KCl
Zavadskii, E.A. + 5=1774, Antiferromagnets MnSO<sub>4</sub>, MnO, FeO
Zavadskii, V. Y. 5=7846, Wave motion in layer-wise medium
Zavadskii, V. Yu. 5=13909, Displacement potentials in elastic
      medium
Zavadskii, V. Yu. 5=14795, Sound in fluid bounded by plate
Zavalin, I. V. + 5=14836, Solution of benzol-propyl alcohol
 +Zavaritskaya, E. I. 5=9947, Radiative recombination in GaAs
 +Zavaritskaya, E. I. 5=12602, GaAs energy level spectrum
 +Zavaritskaya, E. I. 5=12760, Current-voltage characteristics
+Zavaritskii, N. V. 5=12919, Ferromagnetic spin wave theory
Zavaritskii, N. V. 5=14817, Low temperature vacuum indicator
 + Zavaritskyii, N:V: 5=7173, Properties of ferromagnetic
      dielectrics
Závétová, M. 5=1836, Absorption edge of CdSb
```

Zbinden, R. 5=3090, IR spectroscopy of polymers Zdánský, K. + 5=4251, E. S. R. of No_3^{2-} in $Pb[Sr](NO_3)_2$ Zdandwicz, L. 5=1644, Semiconducting properties of Cd₂As₂ +Zdanis, R. 5=622. π^* -d interactions +Zdáneký, K. 5=1796, Paramagnetic resonance of Cu²+ in CdWO₄ Zdanowicz, W. + 5=12105, Properties of Cd₃P₂ Zdarko, R. + 5=5313, Bremsstrahlung angular variation +Zdunkowski, W. G. 5=13373, Laser scattering in mesosphere Zebouni, N. H. + 5=9652, Superconductor magnetothermal effects +Zebrowski, J. 5=15079. Ge and Si surface diffusion Zege, E. P. + 5=5073, Transmission of light-scattering layer Zegers, R. T. + 5=2359, Human fovea Zegler, S. T. 5=12681, Superconductivity in Cr. Si-type phases Zehender, O. + 5=11345, Neutron capture y-rays of Sm¹⁴⁹ +Zei, D. 5=734, Levels in 75Re188 +Zeidman, B. 5=840, Scattering of He³ by nuclei +Zeidman, B. 5=2833, Deuteron scattering by Ca⁴⁰ +Zeidman, B. 5=2838, Validity of DWBA in Ca⁴⁰(d, p)Ca⁴¹ +Zeidlits, M. P. 5=6351, Etch figures on nickel +Zeidlits, M. P. 5=6744, Effect of boron upon properties of nickél +Zeil, W. 5=4083, Dielectric investigations on plastics. IV +Zeise, U. 5=4041, Double injection in ZnS Zeitler, E. + 5=2915, Screening effects in e-scattering Zeitler, E. + 5=9302, Emulsions for electron microscopy +Zeitman, S. 5=12132, Epitaxy in films of EuS Zelazny, R. 5=2619, Neutron transport Zelby, L. W. + 5=10997, Cherenkov source symmetry influence Zeldes, B. + 5=11192, Shell-model nuclear masses, I +Zeldes, H. 5=7245, NO₂ e.s.r. in KNO₃ +Zel'dina, M. Yu. 5=4683, $H\alpha$ emission in prominences Zel'dovich, A. G. + 5=10400, Hydrogen liquefier Zel'dovich, Y. B. 5=2040, Newtonian and Einsteinian motion Zeldovich, Ya. B. + 5=1047, Cascade ionization by light +Zel'dovich, Ya. B. 5=7549, Light propagation in universe Zel'dovich, Ya.B. + 5=7615, Mass of a super-star Zelenka, J. + 5=7452, Quantitative X-ray analysis +Zelenkov, I. A. 5=3696, Thermal expansion of transition metals and allovs Zelenskii, K. F. + 5=10746, Portable X-ray sets +Zelentsova, S. A. 5=7093, Magnetic properties of glasses Zeleny, M. 5=7128, Permeability of ferromagnetic powders +Zelmanovich, I. L. 5=5035, Pressure of light on water drops +Zelwer, C. 5=12207, Structure of lanthanum aluminate Zemčík, T. 5=6445, Determination of crystal structure Zemskov, V.S. + 5=15327, Sn electrical activity in Ge +Zenkevich, V. B. 5=9655, Superconducting solenoid λ -point +Zentgraf, G. 5=4210, Permeability of Mn-Zn-ferrite +Zentner, V. 5=12911, Electroless Co-P magnetic films Zerbst, M. + 5=12713, Conductivity of semiconductor layers +Zerby, C.D. 5=14510, Shielding studies in steel, III Zernik, W. + 5=11668, Ionization of atomic H Zerwekh, R. P. + 5=6293, $a\to \gamma$ transformation in iron Zevin, V. Ya. + 5=12966, E. P. R. in magnetic fields +Zevin, V. Ya. 5=15501, E. P. R. of Mn2+ in CdS +Zganjar, E. F. 5=5550, Rotation and vibration in Gd154 +Zhan Xian-lu, 5=7946, Accuracy of direct vision magnetometer Zhang Gong-liang. 5=4934, Hydromagnetic shock wave Zharikov, H. P. + 5=4203, Magnetic permalloy films +Zharkov, G. F. 5=5340, π and β radiation from p's +Zharkov, K. V. 5=2083, Normal modes in plates Zharkov, K. V. + 5=13899, Damping in plate Zharkov, V. N. 5=13195, Earth's mantle +Zharov, Iu. D. 5=15155, Cu anelastic properties Zhdanov, G. B. + 5=5339, γ production by 18.7 GeV p's in Zhdanova, N.G. + 5=1702, Photoconductivity in Cu-doped Ge Zhdanova, N. G. 5=15326, Electron capture in Ge Zhdanovich, V. 5=12724, Cd As magnetoresistance Zhelev, B. 5=4770, Irreversible processes in continuous media +Zhelev, V. 5=12725, Trap filling in CdS Zheleznyakov, V. V. 5=7675, Radio model of chromosphere Zheleznyakov, V. V. 5=4635, Magnetic field of Saturn Zheleznyakov, V. V. 5=13784, γ-Rays from solar flares +Zheleznyakov, V. V. 5=8999, Amplification of plasma waves +Zheludev, I. S. 5=3426, Photoelectrets Zheludev, I. S. 5=12076, Third rank axial tensors +Zheludev, I. S. 5=12809, Photoelectret state in KCl crystals Zhén' Tszin-zhu[Jên Ching-ju]. 5=514, Noise effects in emulsions +Zherebtsova, K.I. 5=826, Scattering of deuterons on Ni and Zn +Zhernov, A. P. 5=12271, Neutron scattering in crystals

+Zawislak, F. C. 5=11229, Angular correlation in liquids

Zaykov, R. 5=407, Isobaric assignments for elementary particles

+Zavoiskii, E. K. 5=5977, Turbulent plasma heating

+Zawadzki, A. 5=5471, Effect of photon showers

+Zawidzki, T.W. 5=3402, Ice nucleation and growth

Zawischa, D. 5=87, Superfluidity in Fermi systems

+Zazulin, V. S. 5=14948, Control of film thickness

semiconductors

+Zavoiskii, E. K. 5=6042, Stability of turbulently heated plasma

Zavyalov, O.I. 5=380, Converging Fevnman diagrams Zawadowski, A. 5=9678, Piezogalvanomagnetic effect in Ge

Zawadzki, W. 5=15310, Thermomagnetic phenomena in cubic

```
+Zhevago, S.E. 5=1580, Fermi surface in gallium
Zhezherun, I. F. 5=10921, Count losses
Zhidomirov, G. M. + 5=3075, Free radicals in alicyclic compounds
+Zhigailo, B.A. 5=222, Ion focusing in electron beams
Zhileiko, G. I. 5=8350, Linear electron microscope source
Zhileiko, G. I. 5=8360, Electron linear accelerator
Zhilich, A. G. + 5=13026, Exciton absorption range
Zhilinskas, R. P. + 5=2125, Digital interferometer
Zhil'tsov, V. P. + 5=10501, Multichamber spark gap
Zhil'tsov, V. P. + 5=14183, Supply for stroboscope lamps
Zhirnov, N. I. 5=14631, Morse oscillator II
Zhislin, G. M. + 5=5136, Spectrum of differential operators
+Zhivotov, V. K. 5=4947, Open e. m. resonators with
     mirrors
+Zhmuds'kÿi,O. Z. 5=14916, Ordering in Ni—Cr alloys
+Zholkevich,G. A. 5=9973, ZnS electroluminescence, e-emission
Zholkevich,G. A. + 5=15605, Photoluminescence quenching of
      ZnS-Cu
+Zhu Ji-Kang. 5=9834, Generalized effective spin-Hamiltonian
Zhu Yei-zhung. + 5=5698, Fragments at saddle point
Zhuang Wei-hwa. + 5=15221, Minority current carriers in Si
+Zhukauskas, K. P. 5=5151, Calculation of 6;-coefficients
Zhukov, A. A. 5=11662, Formation of space charge Zhukov, A. G. 5=5068, Echelette spectrometer for 40–2100 \mu
Zhukov, A. N. + 5=10110, Transfer between orbits
+Zhukov, V. F. 5=8711, High temperature reactor
+Zhuravlev, D.A. 5=661, Cosmic radiation beyond atmosphere
+Zhuravlev, L. T. 5=6317, Hydroxyl groups of silica
+Zhuravleva, N. G. 5=6539, Thermodynamic functions of ferrite
     mixtures
Zhurkin, B. G. + 5=7248, Donor e.s.r. in Si
Zhurkin, B. G. + 5=15505, E. P. R. spectra in Si
Zhurkov, S. N. + 5=3830, Blocks in metals during creep
+Zhuze, V.P. 5=1434, Thermal conductivity of Sm and Pr
 +Zhuzgov, L. N. 5=15760, Magnetic field and positive ions
      inside magnetosphere
+Zichichi, A. 5=11070, Range measurements for muons
Zichichi, A. [Ed.] 5=2451, Strong e.m. and weak interactions
Zidarov, D. 5=207, Magnetised ellipsoids
Zidarov, D. 5=747, Inverse gravimetric problem
+Ziebs, J. 5=12116, Recrystallization of Ni-Ta alloys
+Ziegler, B. 5=8619, Photonuclear cross-sections for low Z
 +Zielińska-Rohozińska, E. 5=3606, "Pendellosung" fringes
 Zielinski, M. 5=7419, Decarboxylation of quinoldic acid
 +Zieliński, P. 5=798, Li<sup>8</sup> fragments from emulsion interactions
Zieliński, P. 5=5623, Interactions of protons with heavy nuclei
 +Zieliński, P. 5=11024, p[\pi]-Ag[Br], 17-24 GeV
Zieliński, T. 5=8415, Angular correlations for p + d \rightarrow p + \pi^- + \omega +Zieliński, W. 5=5397, n emission in \pi^- + p at 10 GeV
 +Ziemer, R. R. 5=13642, Satellite stabilization and control Zietek, W. 5=9786, Ferromagnetic and ferroelectric domains
 Ziffer, H. + 5=11579, Molecular vibrations of quinones. III
+Zijlstra, H. 5=7218, {\rm Co^{2+}} e.s.r. in {\rm Cs_{3}CoCl_{5}} Zilauts, A. F. 5=13837, Radial load theory
 Zilitinkevich, S.S. + 5=1932, Atmospheric heat conduction. I
 Zilitinkevich, S. S. + 5=15659, Turbulence in atmosphere
 +Zilov, N. 5=9741, Electrical oscillations in CdS
Zilsel, P.R. 5=183, Liquid He II
 +Ziman, J. M. 5=11901, Resistivity of liquid alloys
 +Zimen, K.E. 5=11341, Nuclear recoil in solids. V
 Zimering, S. 5=11465, 3-Body atom interactions
 +Zimerman, A. H. 5=2387, Singular logarithmic potentials
 +Zimerman, A. H. 5=2683, Photoproduction of strange particles
 Zimerman, A. H. + 5=8220, Octet dominance model
+Zimerman, A. H. 5=10761, Singular potential peratization
 +Zimkina, T. M. 5=8743, Photoionization of He, Kr, Xe, CH<sub>4</sub>
 +Zimmerman, A. H. 5=11116, Nonleptonic decays of hyperons
Zimmerman, J. E. + 5=6878, Superconducting Nb
 Zimmerman, R. L. 5=10858, Analytic continuation of a (l, s)
+Zimmermann, B. 5=4915, Relaxation in electron beams
+Zimogorova, N.S. 5=4353, p-n-n* Recombination radiation
 Zin, G. 5=5314, Cherenkov radiation theory
Zinchenko, N.S.+ 5=222, Ion focusing in electron beams
 Zingerman, Ya. P. + 5=6330, Interaction of oxygen with tungsten
      surface
 Zinke, O. H. 5=2028, Potential energy and work equivalence
 Zinke, O. H. + 5=13924, Exploded wire translational equilibration
Zinov, V. G. 5=14338, Time analyzer scales
 Zinov, V. G. 5=14351, Coincidence circuits
 Zinov'ev, L. P. + 5=10959, Field in synchrophasotron
 +Zinyatov, M. Z. 5=5898, Spin-lattice relaxation of n-paraffins
 +Zinyatov, M. Z. 5=14133, Spin-echo spectrometer
```

```
Zipf, E. C., Jr. + 5=13367, (0, 0) band of N_2^+ in dayglow
Zirin, H. 5=4675, Limb flare of Nov. 20, 1960
Zirker, J.B. 5=4660, Photospheric oscillations
Zirkind, P. 5=14036, Capacitor switch
Zirnit, U. A. + 5=985, Spectra of fatty acids
Zirnit, U. A. + 5=992, Spectra of pentanes
+Zitka, B. 5=7172, Induction in Mn-Cu ferrite
Zitter, R.N. 5=2294, Transitions of Ne in laser
Zitter, R. N. 5=12818, Photoelectromagnetic effect in Bi
Zlatarov, V. 5=2696, Particle ranges of cosmic radiation
Zlateva, A. + 5=2644, \pi^--p Scattering
+Zlateva, A. 5=8410, p-p scattering from 2 to 10 GeV
+Zlateva, A. I. 5=8458, \pi—p scattering at 4 GeV/c
+Zlatogorskii, M. L. 5=9876, NMR shift of Na<sup>23</sup> in alkali-halides
+Zlatopol'skii, L. A. 5=11717, Energy, mass spectra of plasma
+Zoellner, W. 5=8283, Diagrams with crossed lines
+ Zöller, O. 5=3183, Magnetic plasma probes
+Zöller, O. 5=6044, Thermal instability of plasma column
+Zöller, O. 5=6052, Thermally inhomogeneous plasma column
+Zöller, O. 5=11632, Instability of glow discharge
Zollweg, R. J. 5=3541, Electron reflection from W
Zolotukhin, I. V. + 5=12418, Defects in thermally cycled Al
+Zolotukhin, I. V. 5=12475, Internal friction in metals
Zolyan, T. S. + 5=12752, Electrical conductivity of V2Os
+Zommer, V. P. 5=780, Shape of photoneutron spectrum
Zook, J.D. 5=1686, Piezoelectric scattering in semiconductors
Zoot, R. M. 5=321, Laser interferometry of windows
+Zorikoev, G. A. 5=869, Reactor graphite properties
Zorin, E. I. + 5=12733, Surface layers of n-Ge
+Zorin, V.V. 5=4203, Magnetic permalloy films
+Zorn, G. T. 5=2675, K_1^0-K_2^0 mass difference
+Zosel, A. 5=6711, Torsion pendulum for polymers
+Zovko, N. 5=2635, π N Charge exchange
 +Zovko, N. 5=11088, w-N charge-exchange scattering
+Zraichenko, V. A. 5=6762, Ductile fracture of transformer steel
Zrelov, V. P. 5=10487, Energy of particle beams
+Zsembery, J. 5=615, Pion-nucleon spectroscopy
+Zubarev, D. N. 5=2055, Classical and quantum systems
+Zubarev, I. G. 5=2280, Regenerative optical quantum amplifier
Zubarev, T. N. + 5=10640, Emission of ruby laser
Zubareva, I. F. + 5=14407, Polystyrene-base \beta-scintillators
+Zuber, B. L. 5=8173, Accommodative tracking
+Zubke, D. 5=814, (n, \alpha) Systematics
Zubkov, V.I. + 5=14574, Sweep for mass spectrometer
Zubov, V.A. + 5=3022, Stimulated raman radiation
+Zubov, V. Ya. 5=12449, Stress relaxation in alloys
Zubov, Yu. A. + 5=1288, Temperature changes in polymers
 Zubritskii, V. G. + 5=12822, Quenching of CdS photoconductivity
Zuchelli, A. J. + 5=3958, Positron annihilation in metals
 Zucker, F. J. 5=2217, Partially coherent e.m. fields
 +Zucker, I. J. 5=5445, Long-range Λ-N and Λ'-Λ potentials
 +Zucker, I. J. 5=5486, Pairing interaction in nuclei
 +Zuckerman, J. 5=9611, Positron annihilation in ferromagnets
 +Zuckermann, M. J. 5=9646, Impurities and superconducting
     transitions
 +Zuev, V.S. 5=8068, Pulsed Q-switched ruby laser
 Zuev, V.S. + 5=14147, Calorimeter for lasers
 +Zuker, A. 5=14467, γ-vibrational state
 +Zuleeg, R. 5=4062, Thin-film transistor. I-II
 Zuleeg, R. + 5=12781, Multichannel field effect transistor
 Zülicke, L. 5=5876, Ground state of H<sub>2</sub>O molecule
 Zung, J. T. + 5=892, Hartree-Fock wavefunction for He
 + Zupančič, I. 5=4092, Ferroelectric Rochelle salt
+ Zupančič, I. 5=7280, F<sup>19</sup> magnetic shielding in crystals
 +Zupančić, I. 5=9715, Ferroelectric transition in Rochelle salt
 Zupančić, M. T. 5=14501, Beta decay of Nd-147
 zu Putlitz, G. + 5=11447, Hyperfine structure of Rb<sup>27</sup>
 +Zuskin, M. S. 5=11991, Ag-Cu in dispersed region
 +Zverev, G. M. 5=15545, Resonance spectra of Er3+ in CaF2
 Zvereva, G. E. + 5=3334, US parameters of C37H64O2
 Zvezdin, A. K. + 5=7264, Knight shift in metals and semiconductor + Zvonarev, A. V. 5=5706, Neutron propagation in UC
 +Zvyagin, A. I. 5=7333, Absorption of light by CoF<sub>2</sub>
 Zwanzig, R. 5=11771, Stokes' law friction
 Zwanziger, D. 5=23, Theorem on Hermitian matrices
 Zwanziger, D. 5=8213, Dirac poles forbidden
  Zwanziger, D. 5=10851, Covariant polarization matrices
 Zwanziger, D. E. 5=891, Hyperfine structure in H
+Zwanziger, M. 5=9206, Electric quadrupole interaction
 +Zweifel, P. F. 5=8421, Quasiclassical neutron scattering
 Zwicker, E. 5=4821, "Negative afterimage" in hearing
 Zwicker, H. 5=8990, Compressed plasma spectroscopy
```

Zwicker, U. 5=6897, Superconductivity of α-Ti alloys wicky, F. + 5=1973, Spectra of galaxies wicky, F. 5=7613, Compact galaxies and parts wicky, F. 5=13727, Luminosity of galaxies wicky, F. + 5=15815, Sky covered by galaxies. II Zwislocki, J. 5=139, Loudness of 1000-cps tone -Zybko, W. C. 5=9151, Electrical conductance in fused salts Zykov, V. G. + 5=11702, Plasma trapping Zykov, V. G. + 5=11703, Plasmoid spectroscopy -Zylberajch, S. 5=11119, YY production

metals, semiconductors. III
Zÿryanov, P.S. + 5=1716, Thermomagnetic phenomena
Zÿryanov, P.S. 5=3699, Heat conductivity of a Fermi gas
Zÿryanov, P.S. 5=3890, Transport in electron-phonon systems
Zÿryanov, P.S. + 5=3968, Thermomagnetic phenomena
Zÿryanov, P.S. 5=3969, Thermogalvanomagnetic effects. II
+Zyryanov, P.S. 5=7264, Knight shift in metals and semiconductors
Zysin, Y.A. + 5=11382, Fission product yields

+ Zÿryanov, P.S. 5=15268, Thermogalvanomagnetic effects in



